QUAD BAND Series

SGH-A796

Portable Digital Mobile Phone

User Manual

Please read this manual before operating your phone,
and keep it for future reference.

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Important Safety Precautions

Please read these guidelines before using your wireless phone. Failure to comply with them may be dangerous or illegal.

Road Safety

Do not use a hand-held phone while driving; park the vehicle first.

Switch Off When Refueling

Do not use the phone at a refueling point (service station) or near fuels or chemicals.

Switch Off in Aircraft

Wireless phones can cause interference. Using them in aircraft is both illegal and dangerous.

Switch Off in Hospitals

Switch your phone off near medical equipment. Follow any regulations or rules in force.

Special Regulations

Follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger (for example, in a hospital).

Sensible Use

Use the phone only in the normal position (held to the ear).

Emergency Call

Ensure the phone is switched on and in service. Touch **Keypad**, key in the emergency number for your present location, then touch **Call**. You must deactivate any unnecessary features before you can make an emergency call. Give all the necessary information as accurately as possible. Do not end the call until given permission to do so.

Water Resistance

Your phone is not water-resistant. Keep it dry.

Accessories and Batteries

Use only Samsung-approved accessories and batteries. Use of any unauthorized accessories could damage your phone and may be dangerous.

Qualified Service

Only qualified service personnel may repair your phone.

For more detailed safety information, see “Health and Safety Information” on page 166.

Getting Started

This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your voice mail.

Setting Up Your Phone

When you subscribe to a cellular network, you receive a plug-in SIM (Subscriber Identity Module) card loaded with your subscription details, such as your PIN, and optional services you have selected.

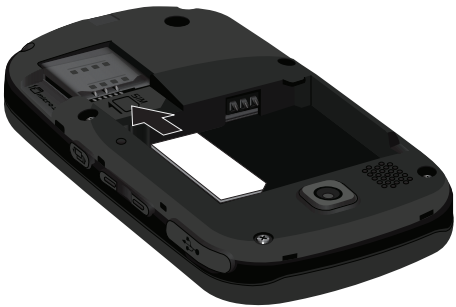
Prior to using your phone it is necessary to install both the battery and SIM into their corresponding internal compartments. The microSD card slot is also located in this same internal area.

1. Remove the battery cover by placing your thumbnail into the slot at the bottom of the phone (1) and lifting up.
2. Lift the cover away from the phone (2).

Installing the SIM Card

Important! The plug-in SIM card and its contacts can be easily damaged by scratches or bending. Use caution when inserting or removing the card and keep it out of reach of children.

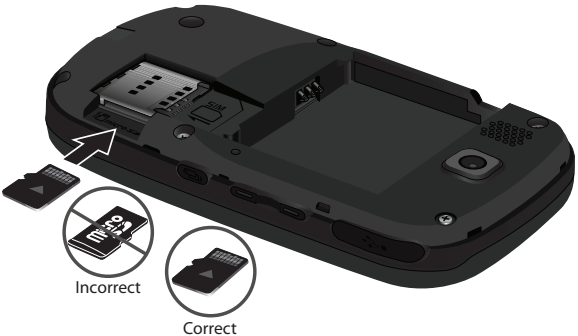
Position the SIM card as indicated on the SIM card slot (angled corner at the lower right edge), then carefully slide the card into the socket.



Installing the Memory Card

Your phone also supports the use of a microSD™ memory card for data storage such things as music, pictures, and video files.

1. Position the microSD card as indicated on the phone (gold contact pins facing upward and toward the slot).
2. Slide the microSD card into the slot then press in with your fingertip until it locks into position with an audible click.



Note: The Samsung a796 has been tested to support cards up 16GB capacity.

Installing the Battery

1. Align the top edge of the battery under the tabs at the top edge of the battery chamber with the arrow on the battery pointing toward the battery contacts (1).
2. Press the battery down until it is seated in the battery chamber (2).

3. Replace the battery cover on the back of the phone (1) and press down until a click indicates that the cover has locked into position (2).

Charging the Battery

Your phone is powered by a rechargeable Li-ion (lithium ion) battery. Use the travel charger supplied with your phone to charge the battery, and use only Samsung approved batteries and chargers.

Note: Fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately four hours. You can use the phone while the battery is charging, but this causes the phone to charge more slowly.

Warning! For connection to an electrical supply not located in North America, you must use a charger of the proper configuration for the power outlet. Use of the wrong charger could damage your phone and void your warranty.

Important! Verify that the phone battery is installed prior to connection. If the battery is not properly installed when the charger is connected, the phone may power off and on continuously, preventing proper operation.

---

1. Open the cover over the jack on the upper left side of the phone and plug the connector of the travel charger into the jack

Note: The charger's connector attaches to the phone at a slight angle toward the top of the phone.

2. Plug the charger into a standard AC wall outlet. If the phone is off, the display indicates that the phone is charging. If the phone is on, a bar in the battery icon flashes to indicate charging.
3. When the phone is fully charged, the message "Battery Full" appears on the display or the bars in the battery icon stop flashing. Unplug the adapter from the power outlet and disconnect it from the phone by gently pulling the connector out of the jack.

Note: To avoid damaging the phone, unplug the adapter before removing the battery from the phone.

Note: The phone is also charged when connected to the USB port of a PC using the USB cable.

Low Battery Indication

When only a few minutes of talk time remain, the empty battery icon flashes and a warning tone sounds at regular intervals. The backlight dims to conserve the remaining battery power. When the battery level becomes too low, the phone automatically turns off. Recharge the battery to restore phone operation.

Switching the Phone On and Off

To switch the phone on:

1. Press and hold or until the phone switches on.
2. If prompted, enter the password and touch **OK**. For further details, see the Lock Phone option in “Phone” on page 148.
3. If prompted, enter the PIN and touch **OK**. For further details, see the Check PIN Code section in “Phone” on page 148.

   The phone searches for your network and, after finding it, the Idle screen appears on the display. You can now make and receive calls.

   The default display language setting is **Automatic**, which is dependent on the setting programmed into your SIM. For further details or to change the language, see the Language section in “Phone” on page 148.

To switch the phone off, press and hold until the power-off image is displayed.

Locking the Touch Screen

To lock the touch screen and prevent accidental presses, press (on the right side of the phone). Press and hold to unlock the touch screen.

Access Codes

There are several access codes used by your phone and its SIM card. These codes help protect the phone against unauthorized use.

When requested to enter any of the codes, enter the code and touch **OK**.

Except for the PUK and PUK2 codes, access codes can be changed using the Security menu (see the Security section in “Phone” on page 148).

Important! Avoid using access codes that are similar to emergency numbers, such as 911, to prevent accidentally dialing an emergency number.

Phone Password

The Lock Phone feature allows you to set a password to protect your phone against unauthorized use. For instructions, see the Security section in “Phone” on page 148.

PIN

The 4 to 8 digit PIN (Personal Identification Number) protects your SIM card against unauthorized use. It is usually supplied with the card.

If you enter an incorrect PIN three times in succession, the code is disabled and cannot be used until you re-enable it by entering the PUK (see below). For instructions on activating or deactivating the PIN Check feature and changing the PIN, see the Security section in “Phone” on page 148.

PUK

The 8-digit PUK (PIN Unblocking Key) is required to change a disabled PIN. If a PUK was not supplied with your SIM card, contact your service provider.

To re-enable your PIN:

1. Enter the PUK and touch **OK**.

2. Enter a new PIN of your choice and touch **OK**.
3. When the **Confirm PIN Code** message displays, enter the same code again and touch **OK**.

If you enter an incorrect PUK ten times in succession, the SIM card becomes invalid. Contact your service provider for a new card.

PIN2

A 4 to 8 digit PIN2 is supplied with some SIM cards to allow access to specific functions supported by those cards.

If you enter an incorrect PIN2 three times in succession, the code is disabled and you cannot access the functions until you re-enable it by entering the PUK2.

To change the PIN2, see the Security section in “Phone” on page 148.

PUK2

An 8-digit PUK2 (PIN Unblocking Key 2) is required to change a disabled PIN2. If a PUK was not supplied with your SIM card, contact your service provider.

To re-enable your PIN2:

1. Enter the PUK2 and touch **OK**.
2. Enter a new PIN2 of your choice and touch **OK**.
3. When the **Confirm PIN2 Code** message displays, enter the same code again and touch **OK**.

If you enter an incorrect PUK2 ten times in succession, the SIM card becomes invalid. Contact your service provider for a new card.

Your Phone

The section outlines some key features of your phone. It also explains the screens and the icons that appear when the phone is in use.

Features of Your Phone

Your phone is lightweight, easy-to-use and offers many valuable features. The following list outlines a few of the features included in your phone.

- Touch screen provides quick response to menus and options
- Multitasking
- User friendly, menu driven access to features and options
- Ready access to the Internet
- Built-in Bluetooth technology
- Instant Messaging capability
- microSD card compatibility for additional data storage
- Camera

Phone Layout

The following illustrations show the main elements of your phone.

Front View of Your Phone

1. **Speaker:** Allows you to hear the caller.
2. **Touch screen:** Display screen that responds to touch. Provides all information needed to operate your phone.
3. **Message button:** Accesses the Create Message screen.
4. **Keypad button:** Accesses the Phone Functions screen, where you can enter a phone number and place a call, send a message or open your contact list.

5. **Contacts button:** Accesses your current Contacts, Groups and Favourite lists.
6. **Talk/Send key:** Allows you to power on the phone, make or answer a call, and access the Call History list. Press and hold to redial the last phone number.
7. **Voicemail key:** Press and hold to automatically dial your voicemail.
8. **QWERTY Keyboard:** Allows you to enter numbers, letters, and characters using a full QWERTY interface.
9. **Messaging key:** Accesses the Create Message screen.
10. **Microphone:** Sensor that converts sound into an electrical signal during phone calls and voice recordings.
11. **Silent Mode key:** Press and hold to place the phone in silent mode. When entering text, press to add a space.
12. **Directional keys:** Allow you to scroll up, down, left, and right while navigating menus and the Web browser.
13. **Power/End key:** Ends a call. Press and hold for three seconds to turn the phone on or off. While in a menu, press to return to Idle mode.
14. **Back key:** Returns to the previous menu or Web page.
15. **Menu button:** Accesses the phone's Main Menu screen.
16. **Shortcuts button:** Allows you to create shortcuts to your favourite applications, tools, or features.
17. **Favourites button:** Allows you to access and maintain a list of favourite contacts.

Side Views of Your Phone

1. **Power/Accessory Interface connector:** Allows you to connect a travel charger or other optional accessories such as a USB/data cable or hands-free headset.
2. **Volume keys:** Adjust ringer volume in standby mode, mute ringer when receiving a call, adjust volume during a call and adjust text size when reading a message or using the browser.
3. **Multitask key:** Launches the multitask menu, which provides ready access to several commonly used features: Messages, IM, MobileMail, Friends, Shop. You can also select End all? to close all running features and return to the Idle screen.
4. **Camera key:** In Idle mode, press and hold to launch the camera. In Camera mode, press to take a picture or video.

5. **Lock key:** Lets you lock and unlock the touch screen. If you receive an incoming call while the screen is locked, you can answer it without unlocking the screen.

Rear View of Your Phone

1. **Speaker:** Allows you to hear music and other audio signals.
2. **Camera lens:** Used to take pictures and videos.

Unlocking the Phone

When the A796 is locked, press and hold (on the right side of the phone) to unlock the phone and display the Idle screen.

Display

Display Layout

Your display screen provides information about the phone's status and options.The display has three main areas:

Function Categories

Function Categories are shortcuts to Keypad (for dialing a number), Contacts (accessing the Contacts list), Menu (displays the icons for application access), Message (takes you to the Create Message screen), Favourites (displays your Contact favourites), and Shortcuts (displays shortcuts that you have set up to easily access your favourite applications).

Icons

Received signal strength. The more bars, the stronger the signal.

Indicates that the Airplane Mode is active. You cannot send or receive calls or access online information.

No network coverage available.

Call in progress.

Displays on the Lock screen when a call has been missed.

Battery level. The more bars, the more power remaining.

Connection to an Edge network is active.

Phone is communicating with an Edge network.

Connection to a 3G (HSDPA) network is active.

Phone is accessing services on a 3G (HSDPA) network.

Phone is communicating with a 3G (HSDPA) network.

A microSD memory card is inserted.

Phone is connected to a computer via USB cable connection

Displays in the Indicators area when a new text message has been received.

Displays in the Indicators area when a new picture message has been received.

Displays in the Indicators area when a new voice mail has been received.

Displays in the Indicators area when a new WAP message has been received.

Text message inbox is full.

An alarm is set. For details, see “Alarms” on page 126.

Call Forwarding feature is active. For details, see “Call Forwarding” on page 155.

Sound profile is set to Normal.

Sound profile is set to Silent or the volume has been lowered to level 0.

Sound profile is set to Driving.

Sound profile is set to Outdoor.

Bluetooth is activated.

Bluetooth headset has been paired with the phone.

Displays when browsing the Web.

Using Menus

This section explains how to use your phone's menus. The A796 is completely navigable by either an onscreen touch or by using the QWERTY keypad.

Menu Navigation

Accessing the Main Menu

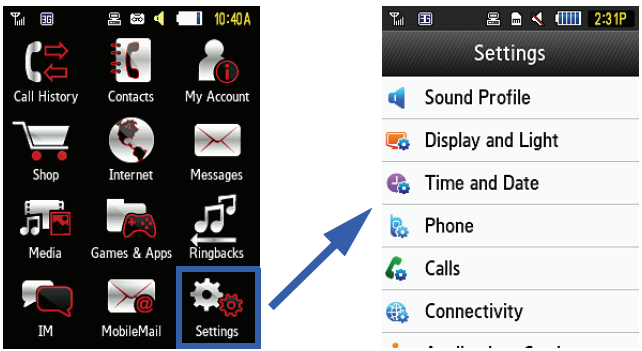
To access the Main menu from the Idle screen, touch Menu.

Opening and Closing an Application

- To open any phone application, touch the associated screen icon.
- To return to the previous screen, press .
- To return to the Idle screen, press .

Navigating Lists

When you open a menu, the menu options display on the screen as a scrollable list.

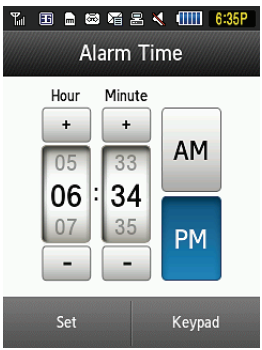


- To activate a list item, touch it.
- To scroll through the list, firmly press and slide your finger up or down the screen.
- To move up or down by a full screen, press the volume keys.

Note: Scrolling requires that you press firmly on the screen and then drag. When scrolling through a list do not touch or press individual entries on the list as this will open the list entry.

Scrolling Through Field Entries

Some screens will ask you to assign a value to an onscreen field by either touching up/down selection arrows or by quickly sliding through the values using your fingertip. An example of these actions is the Jog screen on the Alarm page, where you can set the time by touching the + and - buttons or by quickly sliding your fingertip over the numbers.



Scrolling Using the Directional Keys

Besides use touch when scrolling through a menu or using the Browser, you can also use the directional keys on the QWERTY keyboard.

Shortcuts

The Shortcuts option allows you quick access to your favourite applications, features, and tools. You can Add, Change, and Remove Shortcuts.

Accessing the Shortcuts Menu

From the Idle screen, touch **Shortcuts** .

The menu listing your Shortcuts displays.

Adding Shortcuts

1. From the Idle screen, touch **Shortcuts** .

Touch **Add**.

2. Select an application and touch + to add it to your shortcuts. Sub-menus are indicated by > next to the item. Touch **>** to expand the menu.

Changing Shortcuts

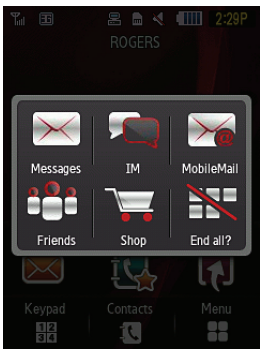
1. From the Idle screen, touch **Shortcuts**.
2. Touch **Change**.
3. Touch the Shortcut that you would like to replace.
4. Select an application that you would like to be added in its place and touch + .

Removing Shortcuts

1. From the Idle screen, touch **Shortcuts**.
2. Touch **Remove**.
3. Touch the check box next to each application you want to remove from your Shortcut list to place a check mark in the box. You can also touch **All** to place a check mark next to every entry.
4. Touch **Remove**.

Using the Multitasking Menu

The Multitask menu can be activated from within any active window or page on the phone by pressing , allowing you to temporarily exit from your current location, quickly do something else, then return to the previous task. The menu lets you select the following functions:



Messages: Opens the Messages menu (see “Messages” on page 85).

IM: Opens Instant Messaging (see “IM” on page 91).

MobileMail: Opens the MobileMail application (see “MobileMail” on page 91).

Friends: Opens the browser and accesses the Rogers Friends page (see “Friends” on page 91).

Shop: Opens the browser and accesses the Rogers Shop page.

End all?: exits the Multitask menu and returns you to your previously active menu or page.

Menu Structure

The menu structure is as follows:

1. **Call History**
2. **Contacts**
    1. Contacts
    2. Groups
    3. Favourite
    4. Add New Contact
    5. Service Number
    6. Contact Settings
    7. SIM Management
3. **My Account**
4. **Shop**
5. **Internet**
6. **Messages**
    1. Create New Message
    2. Inbox
    3. MobileMail
    4. IM
    5. Friends
    6. Sent
    7. Outbox
    8. Drafts
    9. Templates
    10. Voice Mail
    11. Messages Settings
    12. Delete by Folder
    13. Memory Status
7. **Media**
    1. Audio
    2. Pictures
    3. Videos
    4. Other Files
    5. Memory status
8. **Games & Apps**
    1. Get New Games
    2. Get New Applications
    3. Tools
9. **Ringbacks**
10. **IM**
11. **MobileMail**
12. **Settings**
    1. Sound Profile
    2. Display and Light
    3. Time and Date
    4. Phone
    5. Calls
    6. Connectivity
    7. Applications Settings
    8. Memory Management
    9. Phone Status

Call Functions

This section describes how to make or answer a call, and all associated features and functionality.

Making a Call

1. From the Idle screen, with the phone open, use the keypad to enter the number you wish to call.

   -or-

   From the Idle screen, with the phone closed, touch Keypad and use the onscreen keypad to enter the number you wish to dial.

2. Touch **Call** or press .

Note: When you activate the **Auto Redial** option, the phone automatically redials up to ten times when the call is not answered or someone is already on the phone. For carriers that automatically divert unanswered calls to voice mail, the Auto redial feature will not provide useful service. See the Auto Redial section in "Voice Call" on page 154 for further details.

Making an International Call

1. From the Idle screen, with the phone open, press . The + character appears.

   -or-

   From the Idle screen, with the phone closed, touch Keypad, then touch and hold 0 +. The + character appears.

2. Use the onscreen keypad to enter the country code, area code, and phone number.

3. Touch **Call** or press .

Manual Pause Dialing

To add pause(s) to the number you are calling without storing it in your Contacts list:

1. From the Idle screen, open the phone and use the keypad to enter the number you wish to call.
2. Press P to add a two-second pause, then use the keypad to enter the additional numbers.
3. Touch **Call** or press .

Note: You can create pauses longer than two seconds by pressing P multiple times.

Correcting an Entered Number

Use the following steps to correct a mis-typed entry when dialing:

- To clear the last digit displayed, press del.
- To clear a different digit in the number, touch the number immediately to the right of the digit to be cleared, which moves the cursor to the immediate right of the digit to be cleared, then press del.
- To enter a missing digit, touch the number immediately to the right of the spot where the digit is to be entered, which moves the cursor to the required spot, and touch the digit.
- To clear the entire string of numbers, press and hold del.

Ending a Call

When you want to end a call, press .

Dialing a Recent Number

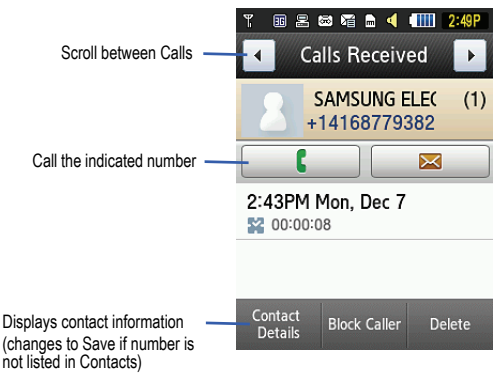
All incoming, outgoing and missed calls are listed in the Call History menu. If the number or caller is listed in Contacts, the name associated with the number also displays.

1. From the Idle screen, press or press Menu and select **Call History**.
2. The screen opens to the All Calls list. To view lists of individual types of calls, touch the drop-down arrow at the upper right of the screen and select **Missed**, **Made** or **Received**.
3. Touch next to the desired phone number (or entry name if the caller is already in Contacts).

   - or -

   Touch the contact to enter the **Details** page, then touch or press to dial the number.

Note: You can also press and hold to redial the last number from the Idle screen.



Making a Call Using Speed Dial

You can assign a short cut number to a phone number for speed dialing.

1. Touch Menu → **Contacts** → **Contact Settings** → **Speed Dial.** The Speed Dial screen displays showing the numbers 1 through 9. The number 1 is reserved for Voice Mail.
2. Touch an unused number. The Contacts screen displays.
3. Find the contact you want to assign to the number. You can scroll through the list or tap on the search box and enter the letters of the name you are searching for until the name appears.
4. Tap the contact to assign to the number.

To replace a number, touch **Replace**, touch the number you wish to reassign, and touch the contact.

To remove one or more numbers, touch **Remove**, touch the check box in the upper right corner of each entry to be removed, then touch **OK**.

Making a Call from the Contacts List

You can store phone numbers that you use regularly in the SIM card or the phone's memory and recall them to place a call. These entries are collectively grouped in **Contacts** (see "Contacts" on page 58 for more information).

Answering a Call

When a call is received, the phone rings and displays the caller's phone number. If the number is associated with an entry in Contacts, the contact's Display Name is displayed. If your phone service includes "call display" and the caller can be identified, the caller's name is displayed.

1. On the Incoming call screen, press or touch **Accept**.

   If the **Any Key** option in the **Call Answer** menu is activated, you can press any key to answer a call except . See the Call Answer section in "General Call Settings" on page 154 for more information.
2. End the call by pressing .

Note: You can answer a call while using Contacts or other menu features. After ending the call, the phone returns to the previously active menu screen.

Other Answer Options

When receiving an incoming call:

- To mute the ring tone, briefly press either volume key.
- To reject the call and send it directly to voicemail, press and hold either volume key or touch **Reject**.
- To use the Quick Reply feature to send the caller a pre-defined text message, touch **Reject / Msg**. For more information, see “Quick Reply” on page 31.

Quick Reply

You can use the Quick Reply feature to send a text message to someone when you are not able to take their call.

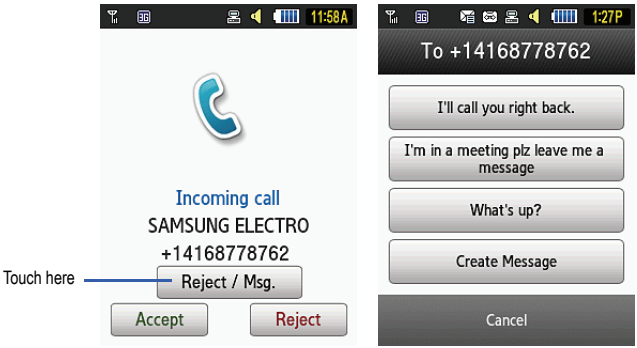
To use Quick Reply:

1. At the incoming call screen, touch **Reject / Msg**. The Quick Reply screen displays.
2. Touch one of the pre-defined messages:
   - •I’ll call you right back.
   - •I’m in a meeting plz leave me a message.
   - •What’s up?

   - or -

   Touch **Create Message**, enter a message and touch **Send**.

Note: The message is sent and you are returned to the previous menu.



Dialing Options

From the Idle screen, you have the option to access the Keypad and initiate a call. When you manually enter numbers from the Keypad, there are three dialing options displayed on the screen.

- **Call:** dials the entered number.
- **Send Message:** Lets you create a new text message and send it to the entered number.
- **Contacts:** takes you to Contacts where you can select a contact to call.

When you begin to enter a number, the **Contacts** option changes to **Save** so you can save the Contact if needed.

Call History

The phone stores the numbers of the calls you've dialed, received, or missed in the Call History menu. You can access this menu from the Idle screen by doing one of the following:

♦ Briefly press .

– or –

♦ Touch → **Call History**.

The All Calls list is displayed. Touch the drop-down list located at the top right of the screen to select list of calls **Missed**, **Made** or **Received**.

If the number or caller is listed in Contacts, the associated name is displayed.

Viewing All Calls

1. From the Call History menu, touch the drop-down list and select **All**. All calls dialed, received and missed are listed.
2. Touch an entry on the list to access the following options:
   - **Call:** Allows you to return the call automatically.
   - **Send Message:** Allows you to sent a Text or Picture message to the caller.
   - **Save:** Allows you to save the number to Contacts on either the phone or SIM card.
   - **Block Caller:** Allows you to add the sending number to your Reject List, where incoming calls are sent directly to voice mail.
   - **Delete:** Allows you to delete the selected call.

Viewing Missed Calls

If you only missed a single call, call details are displayed in the Missed Call dialog on the Idle screen.

If you missed more than one call, the number of calls missed is displayed on the Idle screen. To view details of the most recent missed calls:

1. Touch **Logs**. A list of the most recent missed calls is displayed. If the caller left a voicemail, a voicemail icon is displayed and can be

selected. You can also touch and drag to scroll through the list of missed calls.

2. Touch the desired missed call. Information for that call and caller is displayed on the Missed Calls page. For more information on the available options, see “Viewing All Calls” above.

To move to another call type, touch the call drop-down list (upper right of the Call History page) and make your selection.

Calling Back a Missed Call

If there was only a single missed call, touch **Call**.

If there were multiple missed calls:

1. Touch **Logs** to display a list of the most recent missed calls.
2. Touch the desired missed call.
3. Touch or press .

Saving a Missed Call to Contacts

1. Touch **Logs**. A list of recent missed calls is displayed.

2. Touch the desired missed call. You will see various choices, depending on the settings for your “Save New Contacts to” option.
3. Touch **Save** → **New**.

For further details on saving Contacts, see “Add New Contact” on page 58.

Sending a Message to a Missed Call

1. Touch **Logs**. A list of recent missed calls is displayed.
2. Touch the desired missed call.
3. Touch . The Create screen opens.
4. Slide the phone open and use the keyboard to type your message, or touch the empty text field and use the onscreen alphanumeric keys to type the message.
5. When you are finished your message, touch **OK**.
6. To add additional recipients, touch the yellow recipients field. Insert new recipients by:
   - Touching the **Tap to Add** field and then entering the number manually.
   - Select from Recent Contacts.
   - Select an entry from Contacts.
   - Select members of a Group.
7. Touch **Send** to initiate delivery.

Deleting a Missed Call

1. Touch **Logs**. A list of the most recently missed calls is displayed.
2. Touch **Delete**.
3. Touch the check box next to each entry you wish to select for deletion to place a check mark in the box. You can also touch **All** to place a check mark next to every entry.
4. Touch **Delete**.

Note: You can press at any time to exit the Missed Call feature.

Call Time

View Recorded Call Times

Touch Menu → **Call History** → **Call Time**

The following times are displayed:

- **Last Call Duration:** Length of the last call.
- **Dialed Calls:** Total time for all voice calls made.
- **Received Calls:** Total time for all voice calls received.
- **Total Call Duration:** Total time for all calls made and received.

To reset all fields:

1. Touch **Reset All**.
2. Touch **Yes** to confirm the reset.
3. Enter your password and touch **OK** to reset the counters.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Adjusting the Call Volume

To adjust the earpiece volume during a call, use the Volume keys on the left side of the phone. Press the Up key to increase the volume level and the Down key to decrease the volume level.

In Idle mode, the volume keys can be used to adjust the ringer volume.

In-Call Options

During an active call there are several functions available by touching a corresponding onscreen button.

- **Speaker On/Off:** Routes the phone's audio through either the speaker or the earpiece.
  - •Slide Speaker to **On** to route the audio through the speaker. (You can adjust the speaker volume using the volume keys.)
  - •Slide Speaker to **Off** to use the phone's earpiece.
- **Mute/Unmute:** Turns the onboard microphone on and off.
  - •Touch **Mute** to mute the microphone.
  - •Touch **Unmute** to turn the microphone on.
- **Hold/Resume**: Places the current active call on hold.
  - •Touch **Hold** to place the call on hold.
  - •Touch **Resume** to return to the call.
- **Dial**: Displays the onscreen keypad, where you can choose to initiate a New Call, Send Message, or Save the entered number to Contacts.
- **Contacts:** Displays your current Contacts entries.
- **More:** Accesses additional in-call options.
  - •**Save to Contacts:** To store the current phone number into Contacts.
  - •**Send Message**: To send a new text message.
  - •**Memo**: To write a memo concerning this call.

Placing a Call on Hold

You can place the current call on hold at any point during a conversation. You can also make another call while you have a call in progress if your network supports this service.

To put a call on hold:

1. While on a call, touch **Hold**. This action places the current caller on hold (displayed onscreen as a greyed-out box).

2. To reactivate this call, touch **Resume**.

To make a call while you have a call in progress:

1. Touch **Hold**.
2. Touch **Contacts** to look up a number in contacts.

   - or -

   Touch **Dial**, enter the new number and touch **New Call**.
3. Press to dial the second number.

Once connected, the active call is displayed in an **In call** tab and the call on hold in an **On hold** tab.

Switching Between Calls

To switch between an active call and a call on hold, placing the active call on hold and reactivating the call that was being held, touch **Swap**.

Press to end the currently active call.

To end a call:

1. Touch the associated tab (In call or On hold).
2. Touch to end the call.
3. Press to end the remaining call.

Using the Speakerphone

1. To turn on the speakerphone during a call, slide **Speaker** to **On**.

2. When the prompt “Speaker on?”appears, touch **Yes**. A screen message confirms “Speaker on”.

Use the volume keys (left side of the phone) to adjust the volume.

To deactivate the speakerphone, slide **Speaker** to **Off**.

Switching Off the Microphone (Mute)

You can temporarily switch your phone’s microphone off so that the other person on the call cannot hear you. For example, you might wish to speak to another person in the room without the person on the call hearing you.

To switch the microphone off, touch <**Mute**>. The key text changes to Unmute and the person on the call can no longer hear you.

To switch the microphone back on, touch <**Unmute**>. The other person on the call can hear you again.

Searching for a Number in Contacts

You can search for a number in Contacts during a call.

1. Touch **Contacts**.

2. Touch the Contacts entry.

For further details on using Contacts, see “Find a Contact” on page 62.

Call Waiting

Call Waiting lets you answer an incoming call while you have a call in progress, if your network supports this service and you have set the Menu → **Settings** → **Calls** → **Voice Call** → **Call Waiting** status to **Activated**. You are notified of an incoming call by a call waiting tone.

To answer a call while you have a call in progress:

1. Press to answer the incoming call. The first call is automatically put on hold.
2. To switch between the two calls, touch **Swap**.

To end a call on hold

1. Touch the **On hold** tab and touch adjacent to the caller you wish to disconnect.
2. Press to end the current active call.

Making a Multi-party Call

Multi-party calling is a network service that lets multiple people take part simultaneously in a multi-party or “conference” call.

Note: Please contact your service provider to determine if multi-party calling is supported.

To set up the multi-party call:

1. Call the first participant in the normal manner (see “Making a Call” on page 27).
2. To call another participant, touch **Dial**. Enter the new number and press or touch **New Call** to dial the second call.
3. To add this person to the call, touch **Join**.
4. To continue adding people to the call, repeat steps 2 and 3 above.

   You can also add incoming callers by answering the call and touching **Join**.

To have a private conversation with one participant:

1. Touch **Split**.
2. Touch the name or number of the person you wish to talk with.
3. You can now talk privately to that person. The other participants can still converse with each other.
4. To return to the multi-party call, touch **Join**.
5. All the call participants can now hear each other.

To remove a participant:

Touch adjacent to the caller you wish to disconnect. Repeat this step as necessary. The call to each removed participant is ended but you can continue to talk to the others.

To end the call:

When you want to end a multi-party call, press .

Entering Text

This section outlines how to select the desired text entry mode when entering characters using the QWERTY keyboard or the keypad. It also describes how to use the T9 predictive text entry system to reduce the number of key strokes needed to enter text.

Using the QWERTY Keyboard

Your phone has a QWERTY keyboard to allow easy and quick text input. You can enter text as you would when using a computer's keyboard. To access the QWERTY keyboard, slide the top of the phone upward to expose the keyboard.

The keys are labelled with letters on the lower half and numbers and symbols on the upper half.

- To enter lower-case letters, press the key corresponding to the letter you want to enter.
- To enter an upper case letter, press shift and then the letter. Press shift twice to select CAP LOCK, once more to remove CAP LOCK.

- To enter a number or symbol, press Fn and then the key. Press Fn twice to select FUNCTION LOCK, once more to remove FUNCTION LOCK.
- To move the cursor, press the directional keys (see “Scrolling Using the Directional Keys” on page 23).
- To delete a character, press del.
- To insert a space, press . To insert a period and then a space, press twice.
- To display the symbols grid, press sym.

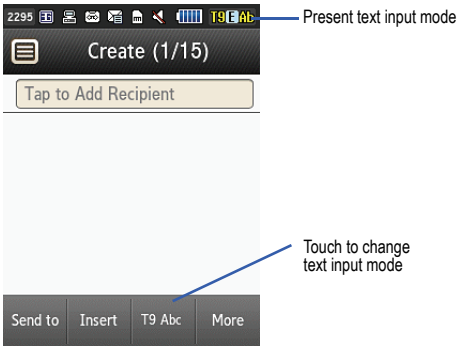
Changing the Text Input Mode

Your phone has the following text input modes (indicated near the top right corner of the display when text entry is allowed):

- **Alphabet modes (ABC, abc, Abc)**: Let you enter letters in all upper case, all lower case, or initial capital format by pressing the keypad keys.
- **T9 modes (T9Ab, T9AB, T9ab)**: T9 predictive input lets you enter words by entering a few letters then selecting the word from a pop-up list.

Note: The letter E or F is added in the middle of T9 modes to indicate whether the phone language is set to English or French (e.g., T9Eab, T9Fab).

- **Number/Symbol mode (Fn)**: Activates the number and symbol keys.
- **Emoticons (EMO):** Activates the emoticon keys.



Using Abc Mode

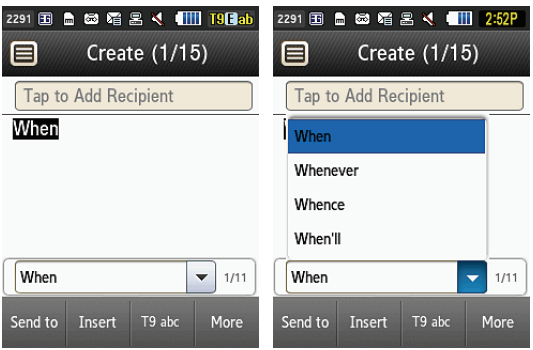
To enter text using Abc (alphabet) mode:

1. Touch the **Text Input Mode** button at the bottom of the screen and touch **Abc Mode**.The Text Input Mode Indicator should now indicate one of the alphabet modes (ABC, abc or Abc).
   - To enter text in lower case, press **Shift** until the Text Input Mode Indicator is **abc**.
   - To enter text in sentence mode (first letter entered and the first letter after each period are upper case), press **Shift** until the Text Input Mode Indicator is **Abc**.
   - To enter all text in upper case, press **Shift** until the Text Input Mode Indicator is **ABC**.
2. Press the desired letters.

Using T9 Mode

To enter text using T9 (predictive input) mode:

1. Touch the **Text Input Mode** button at the bottom of the screen and touch **T9 Predictive Text**.The Text Input Mode Indicator in the upper right corner of the screen should now indicate one of the T9 modes (T9Ab, T9AB, T9ab).
2. Start entering the letters of the word. As you type, the built-in dictionary matches the letters to commonly used words and a selection box displaying the best match appears at the bottom of the screen..



3. If the word is not correct, touch the selection box to open a word list and use your finger scroll through the list until the correct word is shown, then touch the word. If the word is not in the list, continue typing letters until it appears or you have entered the entire word.
4. Press to insert a space, then start entering the next word.

Using T9 Mode in an Edit Field

When you are editing a field, such as a contact name, in T9 Predictive Text Mode, words are not displayed on the screen as in the previous example.

Use the Up and Down keys on the QWERTY keyboard to display different suggested spellings.

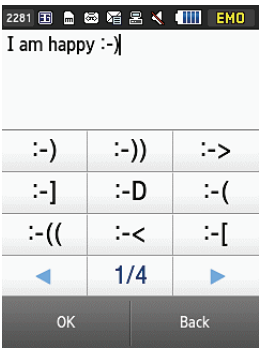
Using Numeric/Symbols Mode

1. Touch the **Text Input Mode** button at the bottom of the screen and touch **Numeric/Symbols.** The Text Input Mode Indicator at top right corner of the screen changes to **Fn**.
2. Press the desired number and symbol keys.
3. To return to text input, touch the **Text Input Mode** button at the bottom of the screen and select a text input mode (Abc Mode or T9 Predictive Text).

Using Emoticon Mode

1. Touch the **Text Input Mode** button at the bottom of the screen and touch **Emoticons**. The Text Input Mode Indicator at top right corner of the screen changes to **EMO**.

2. Touch the desired symbol or symbols. Use the left or right arrow to view additional symbols.



3. When you are finished, touch **OK** to return to your message and the previous text input mode.

Using the Alphanumeric Keypad

Using T9 Predictive Text

To enter text using T9 (predictive input) mode:

1. Touch the screen to open the keypad. If the **Text Input Mode** button at the bottom right of the screen says T9ab, move to step 3.
2. Touch the **Text Input Mode** button at the bottom right of the screen and touch **T9 Predictive Text**.
3. Start entering a word by touching the numeric keys. Touch each key only once for each letter.

   Example: To enter “hello”, touch [4 ghi], [3 def], [5 jkl], [5 jkl] and [6 mno].

As you type, the built-in dictionary matches the letters to commonly used words and a selection box appears.

4. If the word is not correct, touch the selection box to open a word list and use your finger scroll through the list until the correct word is shown, then touch the word. If the word is not in the list, continue typing letters until it appears or you have finished entering the word, at which time you can add the word to the phone's dictionary (see below).
5. Touch **Space** to insert a space, then start entering the next word.

To add a new word to the T9 dictionary:

1. Scroll to the bottom of the selection list and touch **Add Word**.
2. Enter the word you want (text entry in this field is in Alphabet mode, see below for instructions).
3. Touch **OK**. The word is added to the T9 dictionary and becomes the first word for the associated key presses.

Using Abc Mode

1. Touch the screen to open the keypad. If the **Text Input Mode** button at the bottom right of the screen says abc, move to step 3.
2. Touch the **Text Input Mode** button at the bottom right of the screen and touch **Abc Mode**.
3. Touch the keys labeled with the character you want:
   - Once to enter the first character
   - Twice in quick succession for the second character
   - Three times in quick succession for the third character
   - Four times in quick succession for the fourth character

   Touch **Space** to enter a space.
4. Touch **OK** to complete the message and return to the previous screen.

Using Numeric Mode

1. Touch the screen to open the keypad. If the **Text Input Mode** button at the bottom right of the screen says 123, move to step 3.
2. Touch the **Text Input Mode** button at the bottom right of the screen and touch **Numeric**.
3. Touch the keys labeled with the number or symbol you want.
4. Touch **OK** to complete the message and return to the previous screen.

Using Symbols Mode

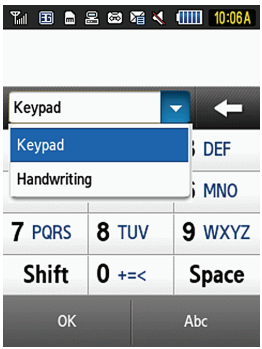
1. Touch the screen to open the keypad. If the **Text Input Mode** button at the bottom right of the screen says SYM, move to step 4.
2. Touch the **Text Input Mode** button at the bottom right of the screen and touch **Symbols**.
3. Touch the keys labeled with the symbol you want. Use the left or right arrow to view additional symbols.
4. Touch **OK** to complete the message and return to the previous screen.

Using Handwriting Recognition

Handwriting mode uses a handwriting recognition program to allow you to enter characters by drawing them on the screen with your finger.

Start Handwriting Recognition

1. From a screen where you can enter text, touch the Input Select field.



2. On the drop-down list touch **Handwriting**.

Change Input Modes

To change the text input mode, touch the Text Input Mode button at the bottom right of the screen and touch the mode that you require. The available text input modes are:

- **ABC:** The phone interprets all characters entered as upper case.
- **Abc:** The phone enters words with the initial character in upper case and the remaining characters in lower case.
- **abc:** The phone interprets all characters entered as lower case.
- **Numeric:** The phone interprets all characters entered as numbers.
- **Symbols:** The phone interprets all characters entered as symbols.

Entering Characters

1. Change the text input mode to ABC, Abc or abc (see above).

1. Use your finger tip to write each character.

- Touch **Shift** to change the case of the next letter.
- Touch **Space** or draw a horizontal line from left to right across the screen with your finger to create a space between letters, numbers, or symbols.
- Touch ← or draw a horizontal line from right to left across the screen with your finger to erase a single character.
- Touch and hold ← to erase an entire word or line.
- Draw a diagonal slash (/) across the screen to enter a paragraph return.

Note: To allow characters to be properly recognized and to prevent scratching the LCD, draw each character individually ("print"), do not use cursive writing.

---

2. When you are finished entering characters, touch **OK** to complete the message and return to the previous screen.

Entering Numbers

1. Change the text input mode to **Numeric** (see above).

2. Use your finger tip to write each number.
   - Touch **Space** or draw a horizontal line from left to right across the screen with your finger to create a space between letters, numbers, or symbols.
   - Touch or draw a horizontal line from right to left across the screen with your finger to erase a single character.
   - Touch and hold to erase an entire word or line.
   - Draw a diagonal slash (/) across the screen to enter a paragraph return.
3. When you are finished entering characters, touch **OK** to complete the message and return to the previous screen.

Entering Symbols

1. Change the text input mode to **Symbols** (see above).
2. Use your finger tip to draw each symbol.
   - Touch **Space** or draw a horizontal line from left to right across the screen with your finger to create a space between letters, numbers, or symbols.
   - Touch or draw a horizontal line from right to left across the screen with your finger to erase a single character.
   - Touch and hold to erase an entire word or line.
   - Draw a diagonal slash (/) across the screen to enter a paragraph return.
3. When you are finished entering characters, touch **OK** to complete the message and return to the previous screen.

Transferring Files

You can transfer music, pictures, video clips and other files between your phone and a personal computer in several ways, including:

- using a USB cable
- using Bluetooth
- using a microSD card reader

Transferring Files via USB Cable

Using PC Studio

File transfer between your phone and a PC or card using Samsung's PC Studio software requires a PC with available USB port, installation of PC Studio on the PC, and a USB cable.

Note: For more information on Samsung PC Studio software, consult the online help provided with the program.

Note: Your phone's USB Setting must be set to Samsung PC Studio or Ask on Connection to use PC Studio (see "Select USB Mode" on page 159).

---

1. Start the PC Studio software.
2. Connect the USB cable to a USB port on your PC and to your phone.
   - **USB Mode set to Ask on Connection:** the Ask on Connection window appears on the phone. Touch **PC Studio** and then **Select**. When the software connects to the phone, a popup displays "SGH-A796 has been connected" then the SGH-A796 icon appears.
   - **USB Mode set to Samsung PC Studio:** When the software connects to the phone, a popup on the PC displays "SGH-A796 has

been connected" then the SGH-A796 icon appears on PC Studio's Communicator screen.

3. In the PC Studio program, click on the SGH-A796 icon. The Phone Explorer window appears.
4. Using Phone Explorer, navigate to the phone folder you want to access.
5. At the left side of the Communicator screen, Click the My Computer icon to view file folders on the PC. Navigate to the PC folder you want to access.
6. You can now drag and drop files between phone and PC folders.

Using Mass Storage Mode

You can also transfer files between a microSD card in your phone and a PC using a USB cable and Microsoft Windows using the following procedure.

Note: Your phone's USB Setting must be set to Mass Storage or Ask on Connection (see "Select USB Mode" on page 159).

---

1. Connect the USB cable to a USB port on your PC and to your phone.
   - **USB Mode set to Ask on Connection:** the Ask on Connection window appears on the phone. Touch **Mass Storage** then touch **Select**. "Connected" appears on the phone display.
   - **USB Mode set to Mass Storage:** "Connected" appears on the phone display.
2. Open **My Computer** on the PC. The list of contents will include a "Removable Disk" with the name of the microSD card in your phone.
3. Double click the disk icon to view the contents of the card. You can drag and drop files between the computer and the folders on the card.

Transferring Files via Bluetooth

File transfer between your phone and a PC using Bluetooth requires a PC with Bluetooth wireless capability and installation of Samsung's PC Studio software (included with your phone).

Note: For more information on Samsung PC Studio, consult the online help provided with the PC Studio software.

To transfer files using Bluetooth:

1. Establish a Bluetooth connection between the phone and PC (see "Bluetooth" on page 156).

Note: To receive data via Bluetooth, your phone's Bluetooth feature must be active. For more information on activating Bluetooth on your phone, see "Activation" on page 156.

2. Start the PC Studio software.
3. Click **Search device** to open the Connection Wizard and scan for connected devices. When the name of the phone (SGH-A796) appears, highlight the name and click **Connect**.
4. When the SGH-A796 icon appears, click the icon. The Phone Explorer window appears.
5. Using Phone Explorer, navigate to the phone folder you want to access.
6. Click the My Computer icon at the left side of the screen to view file folders on the PC. Navigate to the PC folder you want to access.
7. You can drag and drop files between phone and PC folders.

Transferring Files via microSD Card

You can directly transfer music and other files between your PC and a microSD memory card.

1. Remove the microSD card from your phone (see “Installing the Memory Card” on page 4) and insert it into your PC’s microSD card reader or, if you are using an SD card reader, insert the microSD card into a microSD adapter then insert the adapter into the SD card reader.
2. Open My Computer on the PC. The list of contents will include a “Removable Disk” with the name of the microSD card.
3. Double click the disk icon to view the contents of the card. You can drag and drop files between the computer and the folders on the card.

Note: The first time that a microSD card is inserted into your phone, your phone automatically creates a series of folders on it for file storage: Audio (Music, Recorded Audio, Ringtones), Pictures and Videos.

Transferring Music Using Media Player

This procedure allows you to synchronize music files between a memory card in your phone and Windows Media Player on a PC using Microsoft MTP (Media Transfer Protocol), which transfers media files and associated metadata to/from devices with optional additional support for remote control of the device, reading and setting of device parameters such as special DRM-related device parameters for restricted content.

Note: Your phone’s USB Setting must be set to Media Player or Ask on Connection to use this procedure (see “Select USB Mode” on page 159).

---

1. Connect the USB cable to a USB port on your PC and to your phone.
   - **USB Mode set to Ask on Connection:** the Ask on Connection window appears on the phone. Touch **Media Player** and then **Select**. “Connected” appears on the phone display.

- **USB Mode set to Media Player:** “Connected” appears on the phone display.

2. Open **Windows Media Player** on the PC and click the **Sync** tab. The list of devices at the right side of the screen will include your phone (SGH-A796).
3. Drag and drop the files you want to transfer to your phone to the Sync List at the right side of the screen.
4. Click the **Start Sync** button to download the selected music to your memory card. “Synchronizing” is displayed in Windows Media Player while file transfer is in progress.

Note: Do not unplug the USB connector from the phone or PC while files are being transferred or you may corrupt the files.

---

5. When file transfer is complete, unplug the USB connector from the phone.

Contacts

The Contacts menu is used to manage your contact list. You can store names, phone numbers and other information in both your SIM card and your phone's memory, which are physically separate but both used to create the contact list. You can also create contact groups, an FDN list, and speed dial numbers.

Note: When you change phones, numbers stored in your SIM card memory are automatically available with the new phone, whereas numbers stored in the phone's memory must be re-entered or transferred using a data kit accessory. However, contacts stored on the phone can include additional details that can not be stored on the SIM card.

Note: When storing an Address Book entry in your SIM card, only the name, phone number, group, and slot location are initially available as fields (some SIM cards allow an address as well). Although you may add additional fields to a SIM entry; if you move that SIM card to another model phone, it is possible that only the basic information will be transferred.

Add New Contact

Use the following procedures to store a new contact to your phone or SIM card.

Note: Your phone can be set to automatically save contacts to your Phone, automatically save to your SIM Card, or Always Ask. The default setting is Phone. The following procedures assume that the phone is set to Always Ask. To change the setting, see "Save New Contacts to" on page 70.

Store a Number in Phone Memory

1. From the Idle screen, touch **Contacts** → **Create Contact** → **Phone** or touch Menu → **Contacts** → **Add New Contact** → **Phone.** The Add New Contact screen opens.

2. To assign a picture to the entry, touch the image area at the top of the screen and choose **Take Photo** to take a picture or **Caller Image** to retrieve a previously stored image from your Pictures folder.
3. Touch the **First Name** field, use the onscreen keypad or the keyboard to enter the first name for the new entry, then touch **OK**.
4. Touch the **Last Name** field, use the onscreen keypad or the keyboard to enter the last name for the new entry, then touch **OK**.
5. Touch the **Display Name** field, use the onscreen keypad or the keyboard to enter the name you want to appear onscreen when you receive a call from this contact, then touch **OK**.
6. Touch the **Mobile** field, use the onscreen keypad to enter the mobile phone number for the entry, and touch **OK**. You can also change the category type for this field (touch and choose Home, Work, Fax or Others).
7. In a similar manner, to add information to any of the remaining fields touch the field, enter the information or make a selection and touch **OK**. The available fields are:
   - **Email:** Stores an email address for this contact.
   - **Group:** Assigns this contact to group. For information on using groups, see "Groups" on page 65.
   - **Ringtone:** Assigns a ringtone for this contact. Touch a music file to play a sample. Touch **Add** to complete the selection.
   - **Vibration:** assigns a vibration type for this contact information. Touch a setting (Vibration 1 - 5) to sample. Touch **Save** to complete the selection.
   - **Birthday:** Records the calendar date for the contact's birthday. Touch each box (Month, Day, Year) and use the keypad to enter the number. Touch **OK** to store the date.
   - **Note**: Allows you enter any other information for contact.
8. When you have finished entering information, touch **Save** to store the new entry in Contacts.

Add More Fields to a Number

While creating a new entry to be saved on the phone or editing an existing contact saved on your phone, you can add additional fields to the list of information.

Note: A maximum of five phone numbers can be saved with each contact.

---

1. On the Contacts screen, touch **Add More Fields**.
2. Touch the check box next to each field you wish to add to place a check mark in the box. You can also touch **All** to place a check mark next to every entry. The available fields are:
   - **Mobile:** Adds an additional Mobile number field.
   - **Home:** Adds an additional Home number field.
   - **Work:** Adds an additional Work number field.
   - **Fax:** Adds an additional Fax number field.
   - **Others:** Adds an Others field.
   - **Email:** Adds an additional contact Email address field.
   - **URL:** Adds a Web site URL.
   - **DTMF:** Adds a DTMF tone string for use with this contact.
   - **Group:** Adds an additional group field for group assignment.
   - **Message Tone:** Adds a field used to assign a message tone that sounds when messages are received from this contact.
   - **NickName:** Adds a field that can be used to enter a nickname for the contact. The nickname is not displayed when calls are made to or received from the contact.
   - **Company:** Adds a Company field.
   - **Job Title:** Adds a Job Title field.
   - **Address - Home:** Adds a field used to record a physical home address for this contact.
   - **Address - Work:** adds a field used to record a physical work address for this contact.

3. Touch **Done** to store the new fields to the entry and return to the previous screen.

Delete Fields From a Number

1. On the Contacts screen, touch **Delete Fields**.

Note: Only new fields can be deleted. If you have not added any new fields to the contact, the Delete Fields button does not appear.

---

2. Touch the check box next to each field you wish to delete to place a check mark in the box.
3. Touch **Delete**.
4. Touch **Save** to store the modified contact.

Store a Number in the SIM Card

1. From the Idle screen, touch **Contacts** → **Create Contact** → **SIM Card** or touch Menu → **Contacts** → **Add New Contact** → **SIM Card.** The Add New Contact screen opens.
2. Touch the **Name** field, use the onscreen keypad or the keyboard to enter the name for the new entry, then touch **OK**.
3. Touch the **Phone Number** field, use the onscreen keypad or the keyboard to enter the phone number for the contact, and touch **OK**.
4. Touch **Save** to save the contact information.

Save a Number During a Call

To save a number while on a call:

1. Touch **More** → **Save to Contacts.**
2. Touch **New** if this is a new contact entry, **Update** if you are updating an existing contact.
3. Enter the required information (see above).

4. Touch **Save**.

Save a Number After a Call Has Ended

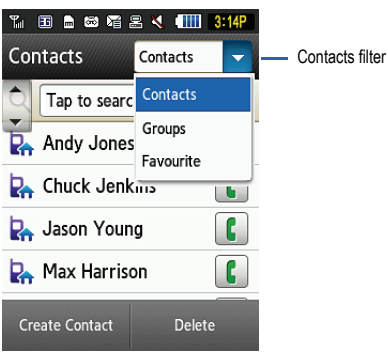
1. Touch (or → **Call History)** to bring up the recent calls screen.
2. Touch the phone number to reveal the Details page for the call.
3. Touch **Save**, and then **New** if this is a new contact entry, **Update** if you are updating an existing contact.
4. Enter the required information (see above).
5. Touch **Save**.

Using Contacts

Find a Contact

1. On the Idle screen, touch **Contacts**.

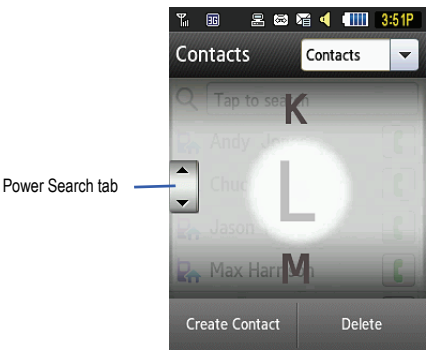
If necessary, touch the Contacts Filter field (upper-right) and select **Contacts**.



2. Touch the **Tap to search** box and begin entering the letters of the name. As you type, the first entry matching your input is highlighted. To select a different entry, use your finger to scroll through the list until the entry you want is highlighted.

   or

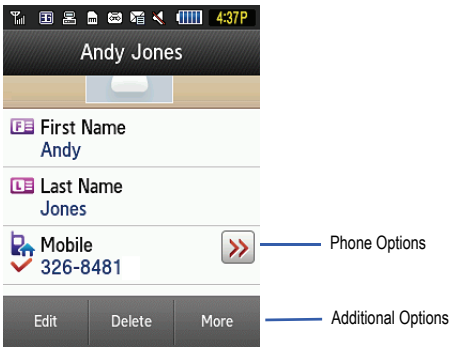
   Drag the **Power Search** tab to quickly move through the alphabet until you reach the first letter of the person's first name. When you release the tab, names beginning with that letter are listed. Use your finger to scroll through the list until the entry you want is shown..



3. When you find the required contact, touch adjacent to the entry to make the call.

Contact Options

While in the details page for a specific contact, there are two sets of options available.



Phone Options

1. Touch to access phone options:
   - **Call:** allows you to call the selected number.
   - **Send Message:** allows you to send a text message or picture message to the selected number.
2. Press to return to the previous page.

Additional Options

- **Edit:** Lets you change the information for the current contact. Touch the field, use the onscreen keyboard to make changes, then touch **OK**.
- **Delete:** Deletes the current contact.
- **More:** reveals an additional set of entry options:
  - **Send Business Card via:** Sends your Business Card information to the selected contact in a message or via Bluetooth.

- **Add to Favourites:** Adds the current contact entry to your Favourite list.

Groups

Using Groups you can organize your contacts into lists such as Family, Friends and Work. You can also assign a unique Caller ID or ringtone to members of the group.

Note: Groups stored on your phone accept contacts stored on the phone only. If your SIM card supports Groups, Groups stored on the SIM card accept contacts stored on the SIM card only.

Create a New Group

1. From the Idle screen, touch

→ **Contacts** → **Groups** → **Create Group**.
2. Touch **Group Name** and use the onscreen keypad or the keyboard to enter a new group name. Touch **OK** to store the new group name.
3. Touch **Group Picture** and choose a location for the new image:
   - **Take Photo:** Take a picture using the built-in camera and assign it to this entry.
   - **Group Picture:** Retrieve a previously stored image from your Pictures folder and assign it to this entry.
4. Touch **Group Ringtone** to choose an audio file for assignment to this group. Touch a music file to play a sample. Touch **Add** to complete the selection.
5. Touch **Group Vibration** to choose a vibration type for assignment to this group. Touch a vibration option to activate a short sample. Touch **Save** to complete the selection.
6. Touch **Save** to store the new Group category.

Add Contacts to a Group

1. From the Idle screen, touch Menu → **Contacts** → **Groups**.
2. Touch a group entry.
3. Touch **Add Member**.
4. Touch the check box next to each contact you wish to add to the group to place a check mark in the box. You can also touch **All** to place a check mark next to every entry.
5. Touch **Add**.

Remove an Entry From a Group

1. From the Idle screen, touch Menu → **Contacts** → **Groups**.
2. Touch a group entry.
3. Touch **Remove Member**.
4. Touch the check box next to each contact you wish to remove from the group to place a check mark in the box. You can also touch **All** to place a check mark next to every entry.
5. Touch **Remove**.

Edit Group Information

Note: To edit a Group entry, there must be at least one member of the group.

1. From the Idle screen, touch Menu → **Contacts** → **Groups**.
2. Touch a group entry.
3. Touch **More** → **Edit Group**.
4. Make modifications to the Group Name, Group Picture, Group Ringtone, and Group Vibration fields as required. For more information, see “Create a New Group” on page 65.

5. Touch **Save** to store your changes.

Favourites

You can add phone numbers stored in Contacts or new contact numbers to your Favourites list.

Add Contacts to Favourites

1. From the Idle screen, touch Menu → **Contacts** → **Favourite**.
2. Touch **Add**.
3. Select **Existing Contact** if the contact's information is already stored in Contacts, **New Contact** if you want to enter the information.
4. Select the Contacts you want to add to your Favourites (touch the check box) or create a new Contact (see "Add New Contact" on page 58).
5. Touch **Add**.

Remove Contacts from Favourites

1. From the Idle screen, touch Menu → **Contacts** → **Favourite**.
2. Touch **Remove**.
3. Touch the check box on each contact you wish to remove from Favourites to place a check mark in the box.
4. Touch **Remove**.

Managing Contacts

You can copy, delete, and view the memory status for the Phone and SIM entries on your phone.

Copy Contacts to SIM Card

Note: When storing a contact on the SIM card, only the name, phone number, group, and slot location are initially available as fields (some SIM cards may allow an address as well). To save additional information for a contact, such as other phone numbers or e-mail, it is important to add new fields to the contact information. Also note that if you move the SIM card to a phone that does not support additional fields on the SIM card, this additional information is not available.

1. From the Idle screen, touch Menu → **Contacts** → **SIM Management** → **Copy Contacts to SIM**. The phone displays the contacts saved to your phone.
2. Touch the check box next to each contact you wish to copy to place a check mark in the box or touch **All** to place a check mark beside all contacts.
3. Touch **Copy**. The selected contacts are copied to the SIM card.

Copy Contacts from SIM Card

1. From the Idle screen, touch Menu → **Contacts** → **SIM Management** → **Copy Contacts from SIM**. The phone displays the contacts saved to your SIM card.
2. Touch the check box next to each contact you wish to add to copy to place a check mark in the box or touch **All** to place a check mark beside all contacts.
3. Touch **Copy**. The selected contacts are copied to the phone.

Delete Contacts

You can delete contacts saved on your phone or SIM card.

Delete Contacts from Phone

1. From the Idle screen, touch Menu → **Contacts** → **Contacts** → **Delete**. The phone displays the contacts saved to your phone.
2. Touch the check box next to each contact you wish to delete to place a check mark in the box or touch **All** to place a check mark beside all contacts.
3. Touch **Delete**. The selected contacts are deleted.

Delete Contacts from SIM Card

1. From the Idle screen, touch Menu → **Contacts** → **SIM Management** → **Delete Contacts from SIM**. The phone displays the contacts saved to your SIM card.
2. Touch the check box next to each contact you wish to delete to place a check mark in the box or touch **All** to place a check mark beside all contacts.
3. Touch **Delete**. The selected contacts are deleted.

Note: Fixed dial (FDN) contacts must be deleted from within the FDN list.

Service Number

You can view the list of SDNs (Service Dialing Numbers) assigned by your service provider. These numbers may include emergency numbers, customer service numbers, and directory inquiries.

1. From the Idle screen, touch Menu → **Contacts** → **Service Number**.
2. To dial a number, touch adjacent to the entry.

Contact Settings

My Business Card

This setting lets you create a virtual business card that can be attached to outgoing messages.

1. In Idle mode, touch Menu → **Contacts** → **Contact Settings** → **My Business Card**.
2. Touch each field, enter information using the keypad or keyboard, and touch **OK**.
3. Touch **Save**.

Speed Dial

Lets you set up Speed Dial for your contacts. For more information, see “Making a Call Using Speed Dial” on page 29.

Save New Contacts to

Defines the destination for new contact entries (Phone, SIM Card, Always Ask).

1. In Idle mode, touch Menu → **Contacts** → **Contact Settings** → **Save New Contacts to**.
2. Make a selection then touch **Save**.

View Contacts from

Lets you filter the display of Contacts entries to show All, Phone, or SIM Card.

1. In Idle mode, touch Menu → **Contacts** → **Contact Settings** → **View Contacts from**.
2. Make a selection then touch **Save**.

Own Number

This function is a memory aid that shows you the phone number assigned to the SIM card in your phone.

In Idle mode, touch Menu → **Contacts** → **Contact Settings** → **Own Number**.

Fixed Dial Contacts

This selection accesses your FDN (Fixed Dialing Number) list. FDN mode, if supported by your SIM card, allows you to restrict outgoing calls to phone numbers stored in the FDN List on the SIM card.

Note: Use of the FDN List requires a PIN2 code (contact your service provider).

Change FDN Mode Status

1. In Idle mode, touch Menu → **Settings** → **Phone** → **Security**.
2. Under **Fixed Dialing Mode** touch **On** to enable fixed dialing or **Off** to disable the option.

Note: With Fixed Dialing Mode enabled, you can not dial any number other than those in the FDN list.

Create FDN Numbers

1. On the Idle screen, touch Menu → **Contacts** → **Contact Settings** → **Fixed Dial Contacts** → **Create FDN**
2. Enter your PIN2 code and touch **OK**.
3. Touch **Name** and use the keypad to enter a name for this FDN contact. Touch **OK**.
4. Touch **Phone Number** and use the keypad to enter a phone number for this FDN contact. Touch **OK**.

5. Touch the SIM card location field and use the keypad to enter a location value for the entry on the SIM card. Touch **OK**.
6. Touch **Save** to store the new FDN entry.

Memory Status

You can check how many contacts are stored in your SIM card and phone memory. You can also see the maximum capacity for each category.

From the Idle screen, touch Menu → **Contacts** → **Contact Settings**→ **Memory Status**. The information provided includes:

- **Phone:** The number of contacts stored on your phone (maximum 1000).
- **SIM Card:** The number of contacts stored on your SIM card.
- **FDN:** The number of entries saved to your FDN list.

Note: The maximum amount of data stored in each SIM card category depends on the card.

My Account

This menu selection opens the Internet browser and automatically accesses the My Account page.

For more information on using the Internet browser, see “Internet” on page 75.

Shop

This menu selection opens the Internet browser and automatically accesses the Rogers Shop page.

For more information on using the Internet browser, see “Internet” on page 75.

Internet

Your phone is equipped with a WAP (Wireless Application Protocol) browser that allows you to access the Internet. This section explains how to access the WAP services of your service provider and navigate the WAP browser.

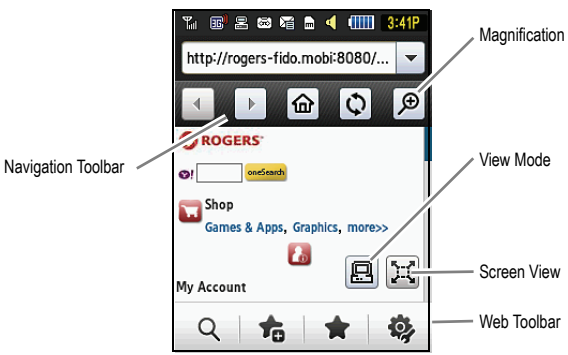
Open the Browser

From the Idle screen, touch Menu → **Internet**.

Browser Navigation

Browser Window

Navigation within web pages is done via touch points on the touchscreen.



Note: The browser default is to display as much of the web page as possible so the Web Toolbar is not displayed.

Back: Returns the browser to the previous web page.

Forward: Moves the browser to the next web page.

Home: Returns the browser to the currently assigned homepage.

Reload: Reloads the current page.

Magnify: Launches magnification slider that lets you zoom in and out using an onscreen slider.

View Mode: Toggles between PC Web view and Mobile view.

Fullscreen View: displays the page in fullscreen view. No toolbars are visible.

Rotate: Rotates the screen image 90° for landscape viewing (Fullscreen view only).

Toolbar View: Displays the page with toolbars visible.

Search: launches the Google Search or Yahoo! Search window (depending on the preference setting, see “Set Browser Preferences” on page 83).

Add to Bookmarks: adds the current page to the Bookmarks list.

Bookmarks: displays the Bookmarks list.

Browser Settings: accesses the Browser Settings menu, which allows you to clear caches, delete cookies, access cookie options, delete history, change preferences, view the page details, change the browser profiles, and view information about the browser software.

Change Screen Modes

By default, only the Rotate and Toolbar View icons are displayed on the screen when the browser is opened.

- Touch the **Toolbar View** icon to reveal the Web toolbar.
- When the toolbar is displayed, touch the **Fullscreen View** icon to hide the Web toolbar.

Magnify the Page

To change the screen magnification:

1. If the Toolbar View icon is displayed, touch the icon to reveal the Web toolbar.
2. Touch in the upper-right corner of the screen.
3. Touch and drag the magnification slider to zoom in and out on the page.

Scroll the Page

To scroll the screen image around on a Web page, press your fingertip firmly on the screen and then drag in the direction you want to move the page.

Note: The page must be magnified enough that there are unseen areas. If the entire page is already being displayed, the image will not move when you attempt to scroll.

Select Onscreen Items

To select a hyperlink appearing on the screen, touch the link.

Enter Text in a Search or Text Field

Touch an onscreen text field (such as the Navigation Toolbar) once to reveal the cursor and onscreen keyboard.

Touch a search field on a Web page to display the cursor and the onscreen keyboard. For more information on text entry methods, see “Entering Text” on page 42.

Return to Page

To return to the previous page, touch .

To return to the homepage, touch .

Access a Web Site

1. From the Idle screen, touch → **Internet**.
2. Touch the URL text field at the top of the screen.
3. Using either the onscreen alphanumeric keypad or the keyboard, enter the complete Web address, beginning with www. (the http:// prefix is pre-inserted into the text string).
4. Touch **Go** to open the web page.

Bookmarks

While navigating through either the Internet or Mobile Web pages, you can bookmark a site to quickly and easily access it at a future time. The URLs (web site addresses) of bookmarked sites are stored in the Favourites folder.

There is also a series of preset bookmarks in the Bookmarks folder:

- Yahoo!
- Facebook
- Twitter
- MySpace
- Ringbacks

- Wikipedia
- craigslist.ca
- Get New Games
- Get New Ringtones

Access a Web Site Using Bookmarks

1. From the Idle screen, touch Menu → **Internet** → ★.
2. Touch the bookmark for the site you want to open.

Add Bookmarks

1. From the Idle screen, touch Menu → **Internet** → ★+
   or
   touch Menu → **Internet** → ★ → **Add New**.
2. Touch the **Enter URL Address** field and use the onscreen keypad or the keyboard to enter the desired web address. Touch **OK** to continue.
3. Touch the **Title** field to associate a display name for this link. Use the onscreen keypad or the keyboard to enter a title for the web site. Touch **OK** to continue.
4. Touch **Save** to store the new bookmark.

Edit Bookmarks

1. From the Idle screen, touch Menu → **Internet** → ★.
2. Touch ✎ adjacent to the bookmark to be edited (do not touch the name as this will launch the assigned web site).

Note: Only entries with ✎ beside can be edited.

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3. Touch the field to be edited and use the onscreen keypad or the keyboard to make the changes (for more information on text entry, see “Entering Text” on page 42).
4. Touch **Save** to save the changes to the entry.

Delete Bookmarks

1. From the Idle screen, touch Menu → **Internet** → .
2. Touch **Delete**.
3. Touch the check box next to each bookmark you wish to add delete to place a check mark in the box or touch **Select all** to place a check mark beside all bookmarks.
4. Touch **Delete**.

Sending a URL

A selected URL can also be sent in a text message or transmitted to any paired Bluetooth device that can receive data.

1. From the Idle screen, touch Menu → **Internet** → → **More** → **Send URL via.**
2. Touch one of the following options and follow the onscreen prompts to complete the process:
   - **Message:** Opens a new text message and inserts the selected URL into the body of the message.
   - **Bluetooth:** Sends the selected URL as a data file to a paired Bluetooth device capable of receiving the file.
3. Touch the check box next to the bookmark you wish to copy to place a check mark in the box.
4. Touch **Done**.

Browser Settings

To configure browser settings:

1. From the Idle screen, touch Menu → **Internet** → .
2. Touch the menu item you want to open. The Browser Settings menu provides the following selections:
   - **Clear Caches:** Deletes the information stored in the phone's cache of recently accessed Web pages (see below).
   - **Delete Cookies:** Cookies are pieces of personal information sent to a web server while navigating the web (see "Delete Cookies" on page 82).
   - **Cookie Options:** sets whether cookies are stored on your phone (Accept All, Reject All, Prompt). If you select Prompt, the phone will ask you to save the cookies on every page requiring cookies (see "Set Cookie Options" on page 82).
   - **Delete History:** deletes the record of any previously visited web sites (see "Delete the History List" on page 83).
   - **Preferences:** changes the settings for the web browser to suit your preference (see "Set Browser Preferences" on page 83).
   - **Page Details:** Provides details for the displayed page (Title, Address, Size, MIME Type, Last updated).
   - **Browser Profiles:** Allows changing the current browser profile.
   - **About Browser:** displays the access version and copyright information about the browser.
3. Touch **Yes** to activate a feature, **Save** to save a new setting.

Clear Caches

A cache is temporary memory in which the most recently accessed web pages (and their associated images) are stored. The cache can be cleared at any time.

1. From the Idle screen, touch Menu → **Internet** → → **Clear Caches.**
2. Touch **Yes** to continue, **No** to cancel the operation.

Delete Cookies

A cookie is a small file placed on your phone by a web site while you are visiting the site. In addition to containing some site-specific information, it can also store some personal information (such as username and password for the site), which can pose a security risk if not properly managed. Cookies can be deleted at any time.

1. From the Idle screen, touch Menu → **Internet** → → **Delete Cookies.**
2. Touch **Yes** to continue, **No** to cancel the operation.

Set Cookie Options

Cookie options define how cookie installation is managed when a web site is attempts to place them on your phone.

1. From the Idle screen, touch Menu → **Internet** → → **Cookie Options.**
2. Touch one of the following options:
   - **Accept All:** Phone accepts all cookies.
   - **Reject All:** Phone accepts no cookies.
   - **Prompt:** You are prompted to accept or reject each cookie.
3. Touch **Save** to save the new setting.

History List

The History list provides you with a list of the most recently visited web sites. These entries can be used to quickly return to a previously accessed web page without the need to retype the entire address.

Access the History List

1. From the Idle screen, touch Menu → **Internet.**
2. If the Toolbar View icon is displayed, touch the icon to reveal the Web toolbar.
3. On the navigation Toolbar at the top of the page, touch the drop-down arrow to open the History List.
4. Touch an entry on the list to open the associated web site.

Delete the History List

You can delete all entries from the history list at any time.

1. From the Idle screen, touch Menu → **Internet** → → **Delete History.**
2. Touch **Yes** to continue, **No** to cancel the operation.

Set Browser Preferences

Browser preferences allow you to set your browser's ability to run JavaScript, display images, and play sounds.

1. From the Idle screen, touch Menu → **Internet** → → **Preferences.**
2. Touch any of the following to change preferences.
   - **View Mode:** Mobile View, PC Web View
   - **Search Options:** Google Search, Yahoo Search
   - **Run JavaScript:** On, Off
   - **Display Images:** On, Off
   - **Display Flash Contents:** On, Off
   - **Play Sound:** On, Off
   - **Display Minimap:** On, Off
3. Touch **Save** to save the new setting.

Page Details

Page Details provides information on the currently displayed Web page, including Title, Address, Size (in bytes), MIME type (Multipurpose Internet Mail Extensions), and Last updated (date the page was last changed).

Browser Profiles

Lets you view and change the settings for Browser Profiles: GoRogers, Rogers Media, Rogers Internet and Rogers Streaming. The following settings are available: Set Name, Access Name, Auth Type, User ID, Password, Protocol, Home URL, Proxy Address and Linger Time.

Note: Do not change any settings in these profiles unless instructed to do so by your service provider or the Browser features may not work properly.

About Browser

About Browser provides browser software version information.

1. From the Idle screen, touch

→ **Internet** → → **About Browser.**
2. Press to return to the previous page.

Messages

This section explains how to send and receive different types of messages. It also describes the features and functionality associated with messaging.

Types of Messages

Your phone sends and receives the following types of messages:

- Text messages
- Picture messages
- IM messages

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones and email addresses. To use this feature, you must subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive picture messages (containing pictures or videos) to and from other mobile phones and email addresses. To use this feature, you must subscribe to your service provider's multimedia message service.

Note: When creating a message, adding an image, sound file or video clip to a text message changes the message from a text message to a picture message.

Messaging icons are displayed at the top of the screen and indicate when messages are received and their type. For more information, see "Icons" on page 17.

Creating and Sending Messages

1. Touch Menu → **Messages** → **Create New Message.**

2. Touch **Tap to Add Recipient** and select a method for adding a recipient:
   - **Enter Number**: Manually enter a cellular phone number using the keypad or keyboard and touch **OK**.
   - **Enter Email**: Manually enter an email address using the keypad or keyboard and touch **OK**.
   - **Contacts**: Lets you select recipients from your Contacts list (valid entries must have a wireless phone number or email address). Touch the check box next to each Contact you wish to add to place a check mark in the box, then touch **Add.**
   - **Recent Contacts:** Lets you select recipients from a list of recently sent messages. Touch the check box next to each Contact you wish to add to place a check mark in the box, then touch **Add.**
   - **Group:** Lets you select recipients from the Group list. Touch the group name to enter all group members to the recipients list.
3. To add more recipients, touch the recipient field and repeat step 2.
4. Touch the text field and use the onscreen keypad or the keyboard to enter a message. For more information on text entry, see “Entering Text” on page 42.
5. Touch **OK** to save your text and return to the message screen.
6. Touch **Send**.

Additional Message Options

While you are entering a message, touch **Insert** to view a menu of additional insert options.

- **Picture:** Allows selection of an existing image from the Pictures list. Touch the image name then touch **Add**.
- **Video:** Allows selection of an existing video from the Videos list. Touch the video name then touch **Options** → **Add**.

- **Audio:** Allows selection of an existing audio file from the Audio list. Touch a category (Ringtones, Music, Recorded Audio), touch the file name then touch **Add**.
- **Take Picture:** Lets you temporarily exit the message, take a photo with phone's camera, and then add it to your message. Press the camera key to take the picture then touch **OK** to add it to the message.
- **Record Video:** Lets you temporarily exit the message, record a video clip using the phone's camera, and then add it to your message. Press the camera key to start and stop recording then **OK** to add it to the message.
- **Record Audio:** Lets you temporarily exit the message, record an audio clip using the phone's microphone, and then add it to your message. Use the record buttons to start and stop recording then touch **Add**.
- **Templates:** Lets you insert a message template into the text. Touch the template name to add it to the message.
- **Bookmarks:** Lets you temporarily exit the message, access your Bookmarks list and select URLs to add to the current message. Touch the check box next to each bookmark to be added then touch **Add.**
- **Contact Info:** Lets you choose a Contact listing and add their information to the message. Touch the contact then touch **Insert**.

Touch **More** to view additional options:

- **Preview:** Lets you preview the message before delivery (picture messages only).
- **Slide Options:** Lets you add a series of images to the message and configure them to display as a slideshow on the recipients phone. Options include: Add Page, Delete Page and Edit Style (picture messages only).
- **Attach Files**: Lets you various types of attachments to the message.
  - **File:** Lets you to add an audio file, graphic, or video clip to your message as an attached file.

- **Business Card:** Lets you add your business card to the message as an attached file.
- **Event:** Lets you add an Event from your calendar to the message as an attached file.
- **Tasks**: Lets you add a Task to your message as an attached file.
- **Memo:** Lets you add a previously saved Memo (text) to your message as an attached file.
- **Bookmarks:** Lets you to add a bookmark as an attachment to the message.

- **Add Subject/Remove Subject:** Lets you add a subject field to the message or delete the subject field (picture messages only).
- **Save to Drafts:** Saves the message to the Drafts folder.
- **Save as Template:** Lets you save the message as a template for later reuse.
- **Delivery Options:** allows you to configure delivery options associated with sending the message (Priority, Expiration, Delivery Time, Get Delivery Report, Get Read Report, Keep a Copy).

View Received Messages

New Messages

On the idle screen, new messages are indicated by the New Messages pop-up and by icons in the indicator area (see “Display Layout” on page 17).

To view new messages:

1. Touch **View** on the New Messages pop-up.
2. Touch the message you wish to view. The message appears in the display.

- When viewing a text message, press the Up or Down volume keys to increase or decrease the font size of the message text. Six font sizes are available.
- To play a video in a picture message, touch .
- To pause playback of the video, touch .
- To stop playback of the video, touch **Stop**.
- To scroll through the message (if additional text pages have been added), touch the screen and in a single motion, scroll up or down the onscreen page.

3. When you have finished, press .

Note: If you have exited from the notification screen and want to view new messages, go to Menu → Messages → Inbox.

Message Folders

All incoming and outgoing text and picture messages are saved in a series of folders on your phone.

- **Inbox**: Stores received text and picture messages.
- **Sent**: Stores messages you have sent successfully.
- **Outbox**: Temporarily stores messages your phone is attempting to send. It also stores messages that you have created and configured to be sent some time in the future. Outbox messages are moved to the Sent folder after they are successfully sent.
- **Drafts**: Stores unsent messages you have saved as drafts. You can access these drafts and send them at a later time.
- **Templates**: Accesses message files saved as templates. For information, see “Templates” on page 91.

To view a message stored in one of the message folders:

1. From the Idle screen, Touch Menu → **Messages** → message folder (**Inbox**, **Sent**, **Outbox**, **Drafts or Templates)**. The corresponding message list opens.
2. Touch the message you wish to view. The message appears in the display.

Message Folder Options

While viewing a message list, the following options are available:

- **List by:** Lets you sort the list by Sender, Read/Unread, Type, Subject, Size, or Lock/Unlock status (selection varies with the type of message).
- **Delete**: Lets you delete one or more messages. Touch the check box next to each message to be added or touch **Select all** to place a check mark beside all messages, then touch **Delete.**

Message Options

While viewing a message, the following options are available:

- **Reply/Reply to:** Lets you compose and send a reply to the message.
- **Delete:** Deletes the current message.
- **More:** Provides a menu additional message functions.
  - **Forward:** Lets you forward the message to someone else.
  - **Save to Contacts:** allows you to save the recipient or sender's information from the message to Contacts as either a New or Update entry. For more information, see "Contacts" on page 58.
  - **Save as Template:** Lets you save message content as a template.
  - **Move to Phone/SIM Card:** Lets you change the storage location of the message (text message only).
  - **Save Attachment:** Lets you save the attachment to Phone or Memory Card (picture message only).
  - **Properties:** Displays the properties of the message: Subject, Date, From, To, Size, Priority, Delivery Report, Read Report (picture message only).

- **Lock/Unlock:** allows you to secure a selected message by protecting it from accidental alterations.

MobileMail

MobileMail lets you send email to any email address. Recipients can access your emails from email-equipped phones or from their computers.

Your phone allows selection of three online email services: Rogers Yahoo! Mail, Yahoo! Mail, Windows Live Hotmail or Gmail. Follow the online instructions shown on your display after you launch one of these services.

IM

Instant Messaging or IM is a way of sending short, simple messages that are delivered immediately to other users. To use this feature, you must be subscribed to a message service.

Your phone allows selection of two IM services: Windows Live and Yahoo! For further details, contact your service provider.

Friends

This menu selection opens the Rogers Friends Web page. Follow the online instructions shown on your display.

Templates

Templates provides a selection of commonly used text messages and also lets you save text and picture message content for reuse. For further details on sending messages, see “Messages” on page 85.

Create a Text Template

1. From the Idle screen, touch Menu and select **Messages** → **Templates**.

2. Touch **Text Templates.**
3. Touch **Create** to open a blank template. Using the onscreen keypad or the keyboard, enter the text you want to save as a template.
4. When you are finished entering text, touch **Save** to save the template file. The new template is added at the top of the template list.

Create a Multimedia Template

1. From the Idle screen, touch Menu and select **Messages** → **Templates**.
2. Touch **Multimedia Templates.**
3. Touch **Create** to open a blank template. Using the onscreen keypad or the keyboard, enter the text you want to save as a template.
4. Touch **Insert** to include any of the following: Picture, Video, Audio, Take Picture, Record Video, Record Audio, Templates, Bookmarks, Contact Info.
5. When you are finished, touch **More** → **Save as Template** to save the template file.

Use a Template

To create a message containing template content:

1. From the Idle screen, touch Menu and select **Messages** → **Templates**.
2. Select the type of template you want to use (**Text Templates** or **Multimedia Templates**).
3. Scroll down the screen as required until the template you want to use is visible, then touch the insert icon associated with the template.

Voice Mail

This menu selection accesses your voice mailbox, if your account supports this service.

Note: Voice mail is a network feature. Please contact your service provider for further details.

Messages Settings

Lets you configure default message settings.

1. From the Idle screen, touch Menu → **Messages** → **Messages Settings**.

Auto Delete Inbox

When you select the Auto Delete Inbox option, inbox messages will be deleted automatically without a warning message.

1. From the **Messages Settings** page, touch **Auto Delete Inbox**.
2. Touch one of the available setting fields:
   - **Off:** Messages will not be deleted automatically.
   - **1 Week Old:** Read messages more than one week old will be deleted automatically.
   - **2 Weeks Old:** Read messages more than two weeks old will be deleted automatically.
   - **The Oldest When Full:** The oldest message will be deleted automatically when the Inbox is full.
3. Touch **Save** to store the selected option.

Text Message

Delivery Options

From the Messages Settings page, touch **Text Message** → **Delivery Options**.

It is recommended that you do not alter any fields except the following except when directed to do so by a customer service representative.

- **Network Selection:** Selects the method for call routing (Circuit Switch or Packet Switch).
- **Character Support:** Selects the character set used in messages: GSM alphabet (ASCII character set with European characters), Unicode (enables the characters in every written language to be used) or Automatic.
- **Reply Path:** Allows the recipient of your message to send you a reply using your message center, if your network supports this service.
- **Get Delivery Report:** When this option is enabled, the network informs you whether or not your message has been delivered.
- **Keep A Copy**: Store a local copy of all outgoing text messages.

Text Message Centre

From the Messages Settings page, touch **Text Message** → **Text Message Centre**.

Touch the name of the text message center to view the associated settings. It is recommended that you do not alter any fields except when directed to do so by a customer service representative.

Picture Messages

1. From the Messages Settings page, touch **Picture Messages**.
2. Touch an available field and make the necessary updates.

- **Delivery Options:** to configure the parameters associated with the delivery of the picture message.
  - **Priority:** Select the priority level of your messages.
  - **Expiration:** Select the length of time you want the message you sent to remain on the message server.
  - **Delivery Time:** You can set a time delay before the phone sends your messages.
  - **Message Size:** You can set the maximum allowed size for a picture message(30/100/300/600 KB).
  - **Get Delivery Report:** When this option is enabled, the network informs you whether or not your message has been delivered.
  - **Get Read Report:** When this option is enabled, your phone requests a reply along with your message to the recipient.
  - **Keep A Copy:** Specifies whether you want to keep a copy of the sent messages on your phone.
  - **Add My Business Card:** Sends your Business Card information with messages.
- **Receiving Options:** to configure the parameters associated received picture messages such as:
  - **Download Type:** Lets you set the message receipt options. Choose Auto Download, Manual, or Reject.
  - **Send Delivery Report:** when this option is enabled, the phone allows the network report to the sender whether or not the message has been received.
  - **Send Read Report:** When this option is enabled, your phone sends a notification back to the recipient indicating that your message has been received.
  - **Reject Anonymous:** Allows you to automatically reject messages with a category of anonymous.

- **Reject Advertisement:** Allows you to automatically reject messages with a category of advertisement.

- **Picture Message Profiles:** Used to configure your Network parameters (it is recommended that you consult a customer service representative before changing any of these settings).
- **Auto Resize Image:** To configure the size limits of the images added to new picture messages. Images larger than the setting are resized to meet this value. Options are: No Resize, 100 KB, 300 KB, 600 KB.
- **Creation Mode:** Configures editing and formatting tools. Choose from: Free, Warning, or Restricted.
- **Default Style:** assigns the “look and feel” for the picture message screen: Background Colour, Font Colour (for text), Font Style, and Slide Duration (during playback).

3. Touch **Save** to store each new settings.

Voice Mail

Shows your voice mail number (this number is programmed into your SIM card and cannot be changed).

From the Messages Settings page, touch **Voice Mail**.

Broadcast Message

This network service allows you to receive text messages from your service provider on various topics.

Note: Please contact Rogers customer service for further details before changing any of the settings.

Push Message

A Push Message is a method for your service provider to deliver content such as firmware updates and emergency notifications to mobile phones that are WAP enabled. You cannot initiate or reply to WAP Push Messages.

Note: Please contact Rogers customer service for further details before changing any of the settings.

Delete by Folder

Use this menu to delete folders of messages.

1. From the Idle screen, touch Menu → **Messages** → **Delete by Folder**.
2. Touch the check box next to each folder to be deleted to place a check mark in the box or touch **All** to place a check mark beside all folders, then touch **Delete.**
3. If any messages are locked, a message appears asking whether to delete them; touch **Yes** or **Cancel** as required.

Memory Status

The Memory Status menu allows you to view the memory usage and available memory in your phone. It displays the total memory used and available as well as the memory usage for each storage folder.

To access the **Memory Status** menu:

1. From the Idle screen, touch Menu → **Messages** → **Memory Status**.
2. To view the results for various types of messages, touch the drop-down box at the top right corner of the screen and touch an entry.

Media

The Media menu is used to manage your media files (audio, pictures, videos and other files).

Media files are organized in a series of folders. You can also create additional folders or sub-folders to further organize your files.

Create a New Folder

1. From the Idle screen, touch Menu → **Media** → **Create Folder.**
2. If your phone contains a memory card, touch **Phone** or **Memory Card** to select a location.
3. Use the onscreen keypad or the keyboard to enter a name for the new folder.
4. Touch **OK**.

Manage Files and Folders

1. From the Idle screen, touch Menu → **Media** and navigate to the location of the files or folders you want to move or copy.
2. Touch **Manage.**
3. Touch **Move** to move files or folders to a new location, **Copy** to copy files or folders in a new location.
4. Touch the check box next to each file to be moved or copied, or touch **All** to place a check mark beside all items.
5. Touch **Move** or **Copy**.
6. If your phone contains a memory card, touch **Phone** or **Memory Card** to select a location.
7. Navigate to the location where you want to place the folder(s) or file(s) and touch **Move Here** or **Paste Here**.

Note: Only unlocked files and folders can be moved or copied. The Audio, Pictures, Videos and Other Files folders are permanently locked. Ringtones and wallpapers supplied with your phone are permanently locked. Files you have placed on the phone are unlocked unless you have locked them (see "File and Folder Options" below).

File and Folder Options

The availability of some of these options depends on the selected file.

1. From the Idle screen, touch Menu → **Media** → **More.**
2. Select an onscreen option:
   - **Delete:** Erases selected files/folders.
   - **Rename:** Renames selected files/folders.
   - **Sort by:** Sorts files and folders by Date, Type, Name, or Size.
   - **Send via Bluetooth:** Sends a file via Bluetooth to another compatible device.
   - **Bluetooth Visibility:** Lets you make specific files or folders visible to other Bluetooth devices.
   - **Lock/Unlock:** Lets you lock files and folders.

Audios

Ringtones

In this folder you can download ringtones using the Internet browser and manage your ringtones.

Get New Ringtones

This option allows you to download ringtones from your service provider.

1. From the Idle screen, touch Menu → **Media** → **Audios** → **Ringtones** →**Get New Ringtones.** The browser launches and opens the Ringtones page.

2. Follow the on-screen options to select and download a file.

For more information on using the browser, see “Internet” on page 75.

Set Call Ringtone

Call Ringtone allows you to assign the ringtone that plays whenever a call is received and the caller is not assigned a ringtone (see Caller Ringtone below).

1. From the Idle screen, touch Menu → **Media** → **Audios** → **Ringtones**.
2. Touch the desired ringtone. The playback screen opens.
3. Touch **Set as**.
4. Touch **Call Ringtone**.

Note: Only DRM (Digital Rights Management) audio files can be used as ringtones.

Set Caller Ringtone

Caller Ringtone allows you to assign a ringtone to a specific caller.

1. From the Idle screen, touch Menu → **Media** → **Audios** → **Ringtones**.
2. Touch the desired ringtone. The playback screen opens.
3. Touch **Set as**.
4. Touch **Caller Ringtone**.
5. To assign the ringtone to an existing contact, touch **Search Contact,** touch the contact name, then touch **Save.**

   To assign the ringtone to a new contact, touch **Create Contact**, enter the contact information and touch **Save**.

For more information on creating contacts, see“Add New Contact” on page 58.

Note: Only DRM (Digital Rights Management) audio files can be used as ringtones.

Set Alarm Tone

Alarm Tone allows you to assign the ringtone as an alarm.

1. From the Idle screen, touch Menu → **Media** → **Audios** → **Ringtones**.
2. Touch the desired ringtone. The playback screen opens.
3. Touch **Set as**.
4. Touch **Alarm Tone**.
5. Touch **Create Alarm**, enter the alarm information, and touch **Save**.

For more information on setting alarms, see “Alarms” on page 126

Music

This folder is used to store music files downloaded to your phone.

1. From the Idle screen, touch Menu → **Media** → **Audios** → **Music**.
2. To play a music file, touch the file.

Recorded Audio

This folder is used to store audio files that you create with the built in recorder.

1. From the Idle screen, touch Menu → **Media** → **Audios** → **Recorded Audio**.
2. To play a recorded audio file, touch the file.

For more information on using the audio recorder, see “Record Audio” on page 124

Pictures

This folder contains your collections of provided and downloaded pictures as well as those taken with your phone's internal camera. You can also download pictures.

Get New Graphics

The Get New Graphics option allows you to download images from your service provider.

1. From the Idle screen, touch Menu → **Media** → **Pictures** → **Get New Graphics.** The browser launches and opens the Graphics & Themes page.
2. Follow the on-screen options to select and download a file.

For more information on using the browser, see "Internet" on page 75.

View Online Album

This menu option launches the browser and opens your Online Album web space, where you can create and view picture albums stored online.

1. From the Idle screen, touch Menu → **Media** → **Pictures** → **View Online Album.** The browser launches and opens your Online Album web space.
2. Follow the on-screen options to create, manage and view online albums.

For more information on using the browser, see "Internet" on page 75.

Image Viewer

1. From the Idle screen, touch Menu → **Media** → **Pictures**.
2. Touch a photo to open it in the viewer.

On the image viewer page, you have access to both macro functions (Zoom, Edit, and Info) and menu options.

Zoom: Accesses the zoom function. Touch + to zoom in (magnify), touch - to zoom out.

Edit: Allows you to edit the current image by applying various image effects.

Information: Displays an onscreen listing of the image's properties such as: name, format, size, etc.

- **Send:** Lets you send the currently active image via Message, via Bluetooth, or to Online Album.
- **Set as:** Lets you assign the image as your Wallpaper or as the display image for a contact entry.
- **More**: Lets you to choose from the following image options:
  - **Delete:** Lets you to delete the current graphic.
  - **Rename:** Lets you to rename the current graphic.
  - **Slide Show:** Lets you play a slideshow using the pictures currently available from within the Pictures page. Touch the screen to access slideshow controls (Start/Stop, Forward, Back). Press to stop the slideshow.
  - **Bluetooth Visibility:** Lets you make the image visible to other Bluetooth devices.
  - **Lock/Unlock:** Locking prevents the file from being accidentally deleted. A locked file must be unlocked before it can be deleted.
  - **Properties:** Displays the properties of a file.

Edit a Photo

1. From the Idle screen, touch → **Media** → **Pictures** → **<image name>**

2. Touch → **Edit** and select from any of the following:
   - **Effects:** Allows you to choose from special effects Filter, Style, Warp and Partial blur.
   - **Adjust:** Allows Auto Level adjustment or individual adjustment of Brightness, Contrast and Colour.
   - **Transform:** Allows you to Resize, Rotate, and Flip the image.
   - **Crop:** Lets you crop the image. Touch one corner of the image and, in a single motion, drag to another location to create the crop area, then touch **Crop**.
   - **Insert**: Lets you add Frames, Picture, Clip Art, Emoticon, and Text to the image.
   - **Memo on screen:** Lets you select a colour, then handwrite a message onto the current image. Touch **Done** to store the changes.

Assign an Image to a Contact

1. From the Idle screen, touch Menu → **Media** → **Pictures** → **<image name>**
2. Touch **Set as** → **Caller Image** → **Search Contact**.
3. Touch a contact entry.
4. Touch **Save**.

For more information on using Contacts, see “Contacts” on page 58.

Assign an Image as a Wallpaper

1. From the Idle screen, touch Menu → **Media** → **Pictures** → **<image name>**
2. Touch **Set as** → **Wallpaper**.
3. Touch the screen to reveal the adjustment tools:
   - **Zoom slider:** touch the magnifying icons at either the top or bottom of the slider to adjust the magnification of the current image.

- **Rotate:** orients the current image in either a landscape or portrait orientation. The bottom left of the page indicates how much of the image will be displayed as the wallpaper.

4. Touch **Set** to store the new settings and assign the wallpaper image.

Videos

This folder contains your collection of downloaded videos and those taken with your phone's internal camera.

Get New Video Clips

The Get New Video Clips option allows you to download videos from your service provider.

1. From the Idle screen, touch Menu → **Media** → **Videos** → **Get New Video Clips.** The browser launches and opens the Videos page.
2. Follow the on-screen options to select and download a file.

For more information on using the browser, see "Internet" on page 75.

View Online Album

This menu option launches the browser and opens your Online Album web space, where you can create and view picture albums stored online.

1. From the Idle screen, touch Menu → **Media** → **Videos** → **View Online Album.** The browser launches and opens your Online Album web space.
2. Follow the on-screen options to create, manage and view online albums.

For more information on using the browser, see "Internet" on page 75.

Other Files

This folder provides a location where you can store other types of files on your phone, such as spreadsheets, text files and presentations. You can send these files to others via Bluetooth. You can also move or copy files to your memory card. For information on transferring files to and from your phone or a memory card, see “Transferring Files” on page 53.

From the Idle screen, touch

→ **Media** → **Other Files**.

While in the Other Files folder, the following options are available:

- **Create Folder:** Lets you create a new storage folder. Enter a name for the folder using the onscreen keypad or the keyboard, then touch **OK.**
- **Manage**
  - **Move:** Lets you move one or more files to another location in the phone or a microSD memory card if one is inserted. Touch the check box next to each file you wish to move to place a check mark in the box, or touch **All** to place a check mark next to every entry, then touch **Move**.
  - **Copy:** Lets you copy the Selected file or Multiple files to another location in the phone or a microSD memory card if one is inserted. Touch the check box next to each file you wish to copy to place a check mark in the box, or touch **All** to place a check mark next to every entry, then touch **Copy**.
- **More:**
  - **Delete:** Lets you delete the Selected file, Multiple files or All files.
  - **Rename:** Lets you change the name of the selected file.
  - **Sort by:** Lets you arrange all your files by Date, Type, Name, or Size.
  - **Send via Bluetooth:** Sends a file via Bluetooth to another compatible device.
  - **Bluetooth Visibility:** Allows the Selected file or Multiple files to be shared or released for use with another Bluetooth device.

- **Lock/Unlock**: Locking prevents the file from being accidentally deleted. A locked file must be unlocked before it can be deleted.

Memory Status

The Memory Status menu allows you to view the memory usage and available space in your phone and space used and available on a memory card (if present). It displays the total space available as well as the usage for each storage folder.

1. From the Idle screen, touch Menu → **Media** → **Memory status.** The results for your phone are shown.
2. To view the results for an inserted memory card, touch the drop-down box at the top right corner of the screen and touch **On Card**.
3. Press ⮌ to return to the previous screen.

Document Viewer

Your phone includes the NetFront Document Viewer from ACCESS Co. that enables full viewing of Microsoft Office documents (Word, Excel®, and PowerPoint®), PDF files and text files with selectable zooming. Touching a file opens it in the viewer.

While using the viewer, the following options are available:

Zoom: Activates the zoom function. Touch + to zoom in (magnify), touch - to zoom out.

Information: Displays an onscreen listing of the file's properties: Name, Format, Size, Forwarding, Date created, Location.

- **Send via:** Lets you send a file via Bluetooth to another compatible device.

- **Go to:** Opens the Previous Page, Next Page, First Page, Last Page, or Page (enter page number and touch **Done**).
- **More** (availability depends on file type):
  - **Delete:** Lets you delete the file.
  - **Rename:** Lets you change the name of the selected file.
  - **Search:** Finds a specific word or phrase in the document (enter the text and touch **OK**).
  - **Bluetooth Visibility:** Allows the file to be shared or released for use with another Bluetooth device. (Note: only appears when you are accessing files on the phone).
  - **Lock/Unlock**: Locking prevents the file from being accidentally deleted. A locked file must be unlocked before it can be deleted. (Note: only appears when you are accessing files on the phone).
  - **Properties:** Accesses file details (Name, Format, Size, Forwarding, Date created, Location).

Games & Apps

Using the Games & Apps menu you can play games already stored on your phone, as well as download games and other applications from your service provider.

Games

Get New Games

This selection allows you to download games from your service provider.

1. From the Idle screen, touch Menu → **Games & Apps** → **Get New Games.** The browser launches and opens the Games & Apps page.
2. Follow the on-screen options to select and download a file.

For more information on using the browser, see “Internet” on page 75.

Play a Game

To play a game:

1. From the Idle screen, touch Menu → **Games & Apps.**
2. Touch the game you want to play.
3. The game’s welcome screen displays information about the game. Follow the on-screen instructions to play the game.

Get New Applications

This selection allows you to download applications from your service provider.

1. From the Idle screen, touch Menu → **Games & Apps** → **Get New Applications.** The browser launches and opens the Games & Apps page.
2. Follow the on-screen options to select and download a file.

Downloaded applications are added to the Games & Apps menu.

For more information on using the browser see “Internet” on page 75.

Tools

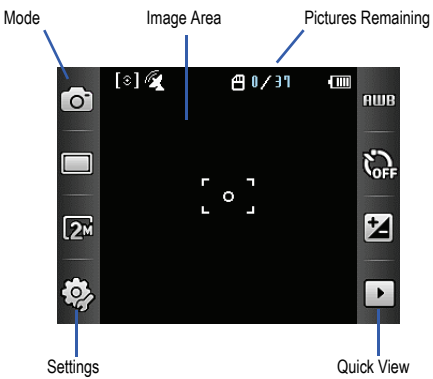
Camera

This section explains how to use the 2.0 megapixel camera built in to your phone. You can take photographs in JPEG format and shoot videos.

Using the Camera

Taking pictures with your device’s built-in camera is as simple as choosing a subject, pointing the camera, then pressing the camera key.

1. In Idle mode, press and hold the Camera key to activate the camera.



2. If the camera is in camcorder mode, touch and touch **Camera** to switch to camera mode.

3. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject. Onscreen icons let you access various camera options (see "Camera and Camcorder Options" on page 111).
4. Press the Camera key until the shutter sounds. The picture is displayed on the screen (if Review is turned on) and automatically stored in the designated storage location (see "Camera and Camcorder Options" on page 111).

   While viewing a picture, you can use the Volume keys to zoom in up to 10x and zoom out.

Note: The number of pictures remaining on the selected media appears in the upper-right of the screen. This is an approximate number of total pictures that can be taken at the current image size.

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5. Press to return to the viewfinder.

Camera and Camcorder Options

Options are represented by icons along both sides of the screen.

Note: The options disappear after a few seconds. Touch the screen and they will reappear.

Camera/Camcorder Mode: Switches operation between Camera and Camcorder mode. Once you change the mode, the corresponding indicator appears at the top left of the display.

Recording Mode: Sets the video recording mode to Normal (limited only by available space on destination location) or Limit for MMS (limited by picture message size restrictions).

Shooting mode: Allows you to set the shooting mode. Options are:

- **Single**: Takes a single photo.
- **Continuous**: Takes a series of photos when the Camera key is held down.
- **Panorama**: Takes a landscape photo by taking an initial photo and then adding additional images to it. The guide box lets you view the area where the second part of the panoramic picture should fall.
- **Smile Shot**: The camera focuses on the face of your subject. When the camera detects the person's smile, it takes the picture.
- **Mosaic**: Takes multiple photos and then groups them together into a single image.
- **Frame**: Allows you to choose one of 20 custom frame borders for your image. Touch **OK** to assign the frame.

Camera Resolution: Allows you to set the image size to 2M (1600x1200), 1M (1280x960), 0.3M (640x480), or 320x240 pixels.

Camcorder Resolution: allows you to set the video size to 320x240 or 176x144 pixels.

Settings: Allows you to customize your camera settings. Choose the following options and touch **OK**:

Camera:

- **Effects**: Change the colour tone or apply special effects to the photo. Options include: None, Black & White, Sepia, Negative, or Watercolor.
- **Exposure Meter**: Set how the camera measures or meters the light source: Matrix, Centre-Weighted, or Spot.
- **Night Mode**: Sets the Night Mode to On or Off.
- **Image Quality**: Sets the image quality to Superfine, Fine or Normal.

Camcorder:

- **Effects**: Lets you change the color tone or apply special effects to the video. Options include: None, Black & White, Sepia, Negative, or Watercolor.
- **Video Quality**: Sets the video quality to Fine, Normal, or Economy.

Settings tab:

- **Guidelines**: Turns the guidelines On or Off.
- **Review**: Lets you activate the instant review feature where images are displayed immediately after review (On or Off).
- **GPS:** Records location coordinates information into image files.
- **Shutter Sound**: Selects a tone to play when the camera's shutter operates. Sound selections are Shutter 1, Shutter 2, Shutter 3, or Off.
- **Audio Recording**: Chooses whether to record audio while recording video. Selecting Off records video only (no sound).
- **Storage**: allows you to configure the default storage location for images and videos as either Phone or Memory Card (if inserted).

White Balance: allows you to set this option from the following choices: Auto, Daylight, Incandescent, Fluorescent, or Cloudy.

Timer: allows you to set a time delay before the camera takes the photo or the camcorder begins recording video. Options include: Off, 2 seconds, 5 seconds, or 10 seconds.

Brightness: allows you to adjust the brightness level by moving the slider.

Quick View: allows you to access recent photos taken and their associated options (see below).

Pictures Folder Options

After you have taken a picture, you can access various options.

Touch → and then touch one of the available options:

Play Slideshow: Plays the available images (from the Pictures folder) as a slideshow. Touch the Up/Down arrows to set the duration of each onscreen image.

Edit: allows you to edit the current image using any of the following:

- **Effects:** Allows you to choose from several effects.
- **Adjust:** Adjusts Auto level, Brightness, Contrast, and Colour.
- **Transform:** Allows you to Resize, Rotate, and Flip the image.
- **Crop:** Lets you crop the image. Touch one corner of the image and, in a single motion, drag to another location to create the crop area, then touch **Crop**.
- **Insert**: Lets you add Frames, Picture, Clip Art, Emoticon, and Text to the image.
- **Memo on screen:** Lets you select a color, then handwrite a message onto the current image. Touch **Done** to store the changes.

Information: Displays file information such as name, format, size, resolution, etc.

Send: Lets you send the active image as part of a picture message or to an Online Album.

Set as: Lets you assign the current image as your Wallpaper or as a Caller Image (display image for a contact entry).

Delete: Erases the currently selected image/video.

Return: Takes you back to the previously active camera or camcorder page where you can take another photo or shoot a new video.

Using the Camcorder

1. In Idle mode, press and hold the Camera key to activate the camera mode.
2. If the camera is in camera mode, touch and touch **Camcorder** to switch to camcorder mode.

3. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject. Onscreen icons let you access various camera options (see "Camera and Camcorder Options" on page 111).
4. Press the Camera key again to begin shooting video.
5. Touch ■ or the Camera key to stop the recording and save the video file to your Videos folder.
6. Once the file has been saved, touch ▶ to play back your video for review.

Press ↩ to return to the viewfinder.

Camcorder Options

Camcorder options are represented by icons along both sides of the screen. For a complete description, see "Camera and Camcorder Options" on page 111.

Video Options

After you have recorded a video, you can use various options that appear as icons on the screen. Touch an icon to activate the function.

Information: Displays file information such as name, format, size, resolution, etc.

Send: Lets you send the active video as part of a picture message or to Online Album.

Delete: Erases the currently selected video.

Return: Takes you back to the previously active camera or camcorder page where you can take another photo or shoot a new video.

Voice Recognition

Nuance Voice Recognition software is an advanced speech recognition program that can be used to activate a wide variety of functions on your phone. Nuance software automatically voice activates up to 2,000 contacts for voice dialing and searching. No pre-recording or training is required. Speak a contact name to dial, and use your voice to look up contacts, launch applications and navigate phone menus.

1. From the Idle screen, touch

→ **Games & Apps** → **Tools** → **Voice Recognition.**
2. After the audio prompt (beep or voice command “Say a Command”), speak a command. A list of available commands is provided below.

Note: This list of voice commands is briefly displayed.

Voice Commands

- **Call <Name or #>:** Dials the spoken number or the number associated with the spoken name in your contact list. If multiple numbers exist (i.e., home, work, cell phone), say the name and the number type.
- **Send Message <Name or #>:** displays the Create Text Message screen.
- **Lookup <Name>:** Locates and displays contact information for the name stored in the Contacts list.
- **Go To <Menu>:** Opens the phone application (Voice Mail, Contacts, Ringtones, Calendar, Tasks, and Browser). Application must be activated.
- **Check <Item>:** Reports various phone status (Status, Messages, Missed Calls, Time, Signal strength, Network, Battery, More Options (My Phone Number, Volume).

When the Say a Command screen displays, there are two options available:

- **Tutorial:** Provides examples of how to use the voice commands.
- **Settings:** Lists the settings and information for voice command software:
  - **Confirmation**: Sets whether the system asks for confirmation of what is said (Automatic, Always Confirm, Never Confirm)
  - **Adaptation**: Trains the software to respond to your voice
  - **Mode:** Sets the level of audio guidance to Expert Mode (beep only) or Prompt Mode (system prompts for required information).
  - **Speakerphone:** Automatic (uses phone setting), Always On, Always Off
  - **About:** Displays the software version.

If the phone does not recognize a command, it issues the voice prompt "Sorry, Command not recognized. Try Again?" Say **Yes** to try again, **No** to access options screen that provides two choices:

- **Help:** provides instructions on how to use voice commands.
- **Restart:** Returns to the Say a Command screen.

Voice Recognition Tips

- Speak clearly when giving a command. There is no need to speak slowly or with added emphasis. The voice recognition software has been optimized to understand speech in its natural form. If it does not recognize your command after a few seconds, a voice prompt asks you to repeat the command. If it does not recognize your command again, it issues the voice message "Sorry, command not recognized," and voice recognition turns off.
- You must end your current Voice Commands call before you can make another call using Voice Commands. To make a three-way call, only the first call can be made using Voice Commands.
- Wait for the tone before you speak.
- In very noise environments, it may be helpful to use a headset or a Bluetooth headset.

Contacts List Voice Activation

On startup, Nuance Voice Recognition software reads your Contacts list and voice-activates all the names.

When you add or change contacts, the software automatically reloads and voice-activates the list.

Media Player

The Media Player lets you navigate through your music library, play songs, and create playlists. The music player supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A.

Note: The following characters cannot be used in a playlist filename: < > " ? / \ : * |.

Using the Media Player

1. From the Idle screen, touch Menu → **Games & Apps** → **Tools** → **Media Player.**
2. Touch a library category (All Music, Artist, Album, or Playlists) to view the available music files.
3. Scroll through the list of songs and touch an entry to begin playback.

Media Player Functions

Touch any of the following onscreen buttons during playback to activate their functions:

Shuffle mode

- **Shuffle On:** the current list of songs are randomly shuffled for playback.

- **Shuffle Off:** songs play in order and are not shuffled.

Equalizer

- **NORM** (normal)
- **ROCK**
- **POP**
- **DANC** (dance)
- **CLAS** (classical)
- **JAZZ**
- **WIDE** (3D sound effect available when earphones are connected)
- **DYNA** (3D sound effect available when earphones are connected)
- **SURR** (3D sound effect available when earphones are connected)

Repeat

- **Repeat one:** repeats the currently playing song.
- **Repeat all:** replays the current list when the list ends.
- **Play All:** plays the current song list once.

Back
Touch quickly to to play the previous song.
Touch and hold move backward in the current song.

Play
Touch once to play the current song.

Pause
Touch once to pause the current song.

Forward
Touch quickly to play the next song.
Touch and hold to move forward in the current song

Touch the player menu options at the bottom of the screen for additional menu functions:

- **Library:** displays the Media Player library (Now Playing, All Music, Artist, Album, Playlists).
- **Minimize:** reduces the player and leaves it running in the background so that you can navigate to other programs or activities.

- **More:** provides additional selections
  - **Add to Playlist:** Lets you to add the current audio file to a playlist.
  - **Send via:** allows you to send the current file as a message attachment or as a data file delivered to a Bluetooth-capable device.
  - **Settings:** Lets you turn Background Playing on or off (see "Playing Music while Using the Phone" on page 121).
  - **Properties:** allows you to view details for the current song such as Name, Format, Size, Forwarding, Date created, Location, Artist, Title, Album, Track length, Genre, Recording date, Track number, and Format. Depending on the file, some details may not be available.

Adding Music to your Handset

Music files (ringtones and full tracks) can be added to your handset using one or more of the following methods:

- Purchase and download music and ringtones directly to your handset over your wireless carrier's network.
- Transfer music files from a personal computer using a media player application, a USB Data Cable (optional) and a microSD™ memory card.

Note: DRM (digital Rights Management) audio files of any size are treated as ringtones. To listen to DRM music files, go to **Menu** → **Media** → **Audio** → **Ringtones**.

Note: When the Bluetooth feature is active on your handset, USB communication is not available.To transfer files to your handset, turn off Bluetooth communication (see "Bluetooth" on page 156)

Note: The maximum number of songs you can synchronize between your phone and a PC is 1000.

Playing Music through a Stereo Bluetooth Device

Your phone supports the Stereo Bluetooth profile (A2DP), and when connected to a stereo Bluetooth headset it will play music in stereo through the headset.

1. Pair and connect your handset to the stereo Bluetooth headset (see “Bluetooth” on page 156).
2. From your phone’s list of compatible devices, select the previously paired Bluetooth headset to begin listening to your song through the headset.

Now when you operate the Media Player, the music is played through the headset.

Playing Music while Using the Phone

The Media Player allows you to play music in the background while performing other tasks on your phone as long as Background Playing is set to On.

1. From the Idle screen, touch Menu → **Games & Apps** → **Tools** → **Media Player** → **Settings.**
2. Under Background Playing, touch **On**.

The functions you can use are:

Call: Music pauses when an incoming call is accepted, and resumes when the call is ended.

Messaging: Music continues to play while you send or receive an instant message, text message, or picture message, unless you open a picture message containing an audio clip, in which case the player pauses and then plays the audio clip.

Note: When you are finished using the Music Player, press to stop the player and prevent the battery from discharging. Pausing the player continues to draw power from the battery.

Using Playlists

Playlists let you group songs in lists and play back all songs on the list by simply selecting the playlist. Playlists can be created from the Media Player's options menu or within a third party music application (such as Windows Media Player) and downloaded to the handset.

To create a playlist:

1. From the Idle screen, touch Menu → **Games & Apps** → **Tools** → **Media Player** → **Playlists** → **Create Playlist.**
2. Touch the playlist name field and use the onscreen keypad/keyboard to enter a descriptive name for the playlist (by default the name field generates a numbered list of playlists).
3. Touch **OK** to close the keypad/keyboard.
4. Touch **Save**.

To add songs to a playlist:

1. From the Idle screen, touch Menu → **Games & Apps** → **Tools** → **Media Player** → **Playlists.**
2. Touch the playlist name and touch **Add Tracks**.
3. Touch **All Music** to view all music files on your phone, **Artist** to list files by artist name, **Album** to list files by album name.
4. Touch the check box next to each music file to be added to the list, or touch **All** to place a check mark beside all items.
5. Touch **Add** to add the songs to the current playlist.

To change the order of songs in a Playlist:

1. From the Idle screen, touch Menu → **Games & Apps** → **Tools** → **Media Player** → **Playlists.**
2. Touch a playlist.
3. Touch **More** → **Change Order**.

4. Use your fingertip to drag and drop songs to new locations as required.

To remove songs from a Playlist:

1. From the Idle screen, touch Menu → **Games & Apps** → **Tools** → **Media Player** → **Playlists.**
2. Touch the playlist.
3. Touch **Remove Tracks**.
4. Touch the check box next to each music file to be removed from the list, or touch **All** to place a check mark beside all items.
5. Touch **Remove Tracks** to delete the songs from the playlist.

To transfer music using a media application:

This procedure allows you to synchronize music files between a memory card in your phone and Windows Media Player on a PC using Microsoft MTP (Media Transfer Protocol), which transfers media files and associated metadata to/from devices with optional additional support for remote control of the device, reading and setting of device parameters such as special DRM-related device parameters for restricted content.

Note: Your phone's USB Setting must be set to Media Player or Ask on Connection to use this procedure (see "Select USB Mode" on page 159).

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1. Connect the USB cable to a USB port on your PC and to your phone.
   - USB Mode set to **Ask on Connection:** When the Select USB Mode window appears on the phone, touch **Media Player** and then **Select**. When connection has been established, the USB connection icon appears in the indicators area of the phone and "Connected" appears on the phone display.
   - USB Mode set to **Media Player:** When connection has been established, the USB connection icon appears in the indicators area of the phone and "Connected" appears on the phone display.

2. Open **Windows Media Player** on the PC and click the **Sync** tab. The list of devices at the right side of the screen will include your phone (SGH-A796) and the available storage space. A list of available songs appears in the main area of the screen.
3. Drag and drop the files you want to transfer to your phone to the **Sync List** at the right side of the screen.
4. Click the **Start Sync** button to download the selected music to your memory card. “Synchronizing” displays in Windows Media Player while file transfer is in progress.

Note: Do not unplug the USB connector from the phone or PC while files are being transferred as this can corrupt the files.

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5. When file transfer is complete, unplug the USB connector from the phone.

Import a Playlist from Windows Media Player:

1. Connect your phone to the PC and open Windows Media Player (see above).
2. Click the **Sync** tab and locate **Playlists** (upper left side of the screen).
3. Right-click a playlist and select **Add to ‘Sync List’**.
4. Click **Start Sync** to upload the selected playlist to your phone.
5. When file transfer is complete, unplug the USB connector from the phone.

Record Audio

Record Audio lets you to record voice memos and send your audio clip to other people as an attachment to a picture message. Recording time varies with the available memory within the phone.

1. From the Idle screen, touch Menu → **Games & Apps** → **Tools** → **Record Audio.**

2. To start recording, touch . Record a memo by speaking into the microphone.
3. Touch Pause ( ) to temporarily halt recording, Stop ( ) to stop recording and save the file

When recording has stopped, the following options are available:

- **Play:** Plays back the memo.
- **Record**: Saves the current memo and begin another session.
- **Delete:** Lets you delete the current memo.
- **More:** provides additional functions.
  - •**Send via**: Lets you send the memo via Message or Bluetooth.
  - •**Set as:** Lets you use the recorded file as an Alarm tone.
  - •**Properties**: displays the properties of the current voice memo (Name, Format, Size, etc.).

Recorded Audio Folder

This folder contains all audio clips that have been recorded and saved. To access this folder from the audio recording screen touch . Touch the memo you wish to play to begin playback.

Note: You can also access the Recorded Audio folder from the idle screen by touching → **Media**→ **Audio** → **Recorded Audio.**

Record Audio Settings

1. From the idle screen, touch → **Games & Apps**→ **Tools** → **Record Audio** → **Settings.**
2. Touch either of the following fields and edit the information:
   - **Default Name:** Use the onscreen keypad/keyboard to enter the name prefix for all recorded audio files (the default is “Voice”). Touch **OK** to store the new name.

- **Recording Time:** Touch the maximum time allowed for a recorded audio file (1 Minute, 5 Minutes, 10 Minutes, 15 Minutes, 30 Minutes, 60 Minutes, or Limit for MMS).

3. Touch **Save**.

Alarms

This feature allows you to set alarms to ring at a specific time.

From the idle screen, touch Menu → **Games & Apps** → **Tools** → **Alarms.** The screen displays a list of all current alarms.

Set an Alarm

1. On the Alarms screen, touch **Create Alarm**.
2. Set the following alarm options as required:
   - **Name:** Lets you specify an alarm name that appears in the alarm list and on the screen when the alarm activates.
   - **Time:** Lets you set the alarm time using the keypad or the Jog screen. To use the keypad, touch Hour and enter the number, touch Minute and enter the number, touch AM or PM, and touch **Set**.

Note: To change the time format, see “Time and Date” on page 147.

   - **Alarm Repeat:** Use this option to choose the days that the alarm sounds.Touch the check box next to each day that the alarm should sound or Everyday to place a check mark beside every day, then touch **Save**.
   - **Snooze/Snooze Duration/Snooze Repetition**: Lets you turn snooze on or off and set the wait time (5, 10, 15, 20, or 30 Minutes) and number of repeats (1, 2, 3, 5, or 10 Times).
   - **Set Details:** Lets you modify some additional features:

- **Alarm Type:** Sets the way in which the alarm alerts you when activated (Melody, Vibration, Vibration then Melody, Vibration & Melody).
- **Alarm Tone:** Sets the sound file played when the alarm is activated.
- **Alarm Volume:** Adjusts the alarm's volume (level 1 - 7).

3. Touch **Save** to store the alarm details and **Save** again to store this new alarm event.
4. To keep the alarm event active when the phone is turned off, Touch **On** in the Auto Power-up field.

Silence an Alarm

To stop an alarm when it rings, do any of the following:

- Press any key
- Slide the alarm slider to the right until the alarms stops.

To use the Snooze function, slide the alarm slider to the left until the alarms stops. The alarm sounds again at the end of the snooze period.

Delete Alarms

To remove one or more alarms from the alarm list:

1. On the Alarms screen, touch **Delete**.
2. Touch the check box next to each alarm you want to delete to place a check mark in the box. You can also touch **All** to place a check mark next to every entry.
3. Touch **Delete**.

Calendar

Using the Calendar feature, you can view any month, week or day. The current day is highlighted in the month and week views. You can also create Event reminders for any day.

To view the Calendar, touch Menu → **Games & Apps**→ **Tools** → **Calendar.** The calendar opens in Month, Week or Day view, depending on the default setting (see “Calendar Options” on page 130).

In **Month** view, the current date is highlighted by a box around the number. Events are indicated by a blue arrow at the lower right corner of the date. Touch the arrows at the edges of the title bar to move to the previous or following month. To view events on a specific day, touch the day twice to open Day view.

Week view provides a grid with the days of the week across and daytime hours arranged vertically. Use your fingertip to scroll the screen vertically to view additional times. Blue colored squares indicate the time slots where events are scheduled. Touch the arrows at the edges of the title bar to move to the previous or following week. To view events on a specific day, touch the day twice to open Day view.

Day view provides a list of the events associated with the chosen day and the scheduled time for each.

Change the Calendar View

To change Calendar views, touch **More** and touch the desired view (**View by Day**, **View by Week** or **View by Month**).

Create a New Event

1. From the idle screen, touch Menu → **Games & Apps** → **Tools** → **Calendar** → **Create Event.**
2. Touch the **Title** field and use the onscreen keypad or the keyboard to enter a name for this specific event. Touch **OK** to save the new name.
3. Touch the **Start Date** field. Use the keypad/keyboard to enter a date, or the jog wheels to scroll to the desired Month, Date and Year using the + and - buttons (switch between the two methods by touching **Keypad** or **Jog** at the lower right corner of the screen). In Keypad mode, touch Month, Date or Year as required and enter a setting using the keypad.

In Jog mode, set the date by touching the + and - buttons or by sliding your fingertip over the numbers. Touch **Set** to complete the process.

4. Touch the **Start Time** field. Change the time setting using the keypad/keyboard or the jog wheels (switch between the two methods by touching **Keypad** or **Jog** at the lower right corner of the screen). In Keypad mode, touch Hour and Minute as required and enter a setting using the keypad. In Jog mode, set the timer by touching the + and - buttons or by sliding your fingertip over the numbers.Touch **AM** or **PM**. Touch **Set** to complete the process.
5. Touch the **Alarm** field and select a time for the alarm to begin alerting you of the upcoming event. The choices are: Off, On Time, 30 Minutes Before, 1 Hour Before, 1 Day Before, 1 Week Before, Customize (set the number of minutes, hours or days). Touch **Save** to store the new alert time.
6. Touch **Set Details** to configure additional parameters for the new event:
   - **End Date:** Enter ending date for this event. This is useful if the alarm is for a repeating event. Touch **Set** to store the date.
   - **End Time:** Enter final time for this repeating event. Touch **Set** to store the time.
   - **Details:** Enter a description for this event. Touch **OK** to store the name.
   - **Location:** Enter a location for this event. Touch **OK** to store the name.
   - **Alarm Tone:** Choose an alarm tone. Touch an audio file then touch **Add** to assign the file as the alert tone.
   - **Repeat:** allows you to set the number of repetitions for this appointment (Off, Everyday, Every Week, Every Month, or Every Year). Once selected, all remaining alarm settings are enabled. Touch **Save** to store the option.

- **Repeat Until:** Sets an expiry date for event alarms.

Touch **Save** to save the details.

7. Touch **Save** to store the new event.

Calendar Options

On the calendar screen, touch **More** to access the following options:

- **Go to:** Lets you select a target date for review. Use the keypad/keyboard to enter a date, or the jog wheels to scroll to the desired Month, Date and Year using the + and - buttons (switch between the two methods by touching **Keypad** or **Jog** at the lower right corner of the screen). In Keypad mode, touch Month, Date or Year as required and enter a setting using the keypad. In Jog mode, set the timer by touching the + and - buttons or by sliding your fingertip over the numbers.Touch **Go** to complete the process.
- **View by Day:** Lets you change the Calendar view to display a daily event listing.
- **View by Week**: Lets you to change the Calendar view to display a weekly calendar.
- **View by Month**: Lets you to change the Calendar view to display a monthly calendar.
- **Delete:** Lets you remove an event.
- **Calendar Settings:** Selects the Starting Day (Sunday or Monday) and the default View by setting (select Month, Week, or Day).
- **Missed Alarm Events:** Displays any missed events.
- **Used Space:** Displays the number of saved Calendar events.

Note: Your phone holds up to 300 calendar events.

View Calendar Events

1. From the idle screen, touch Menu → **Games & Apps** → **Tools** → **Calendar** → **Event List.** A listing of all upcoming events opens.
2. To see the details of an event, touch the event listing.

Delete Calendar Events

1. From the idle screen, touch Menu → **Games & Apps** → **Tools** → **Calendar** → **Event List** → **Delete.**
2. Touch the check box next to each event to be deleted or touch **All** to place a check mark beside every event.
3. Touch **Delete**.

Calendar Settings

1. From the idle screen, touch Menu → **Games & Apps** → **Tools** → **Calendar** → **More** → **Calendar Settings.**
2. Touch either of the following fields and touch a selection:
   - **Starting Day:** Choose the first day in the calendar week (Sunday or Monday.
   - **View by:** Choose the default view (Month, Week, or Day).
3. Touch **Save**.

Tasks

The Task function lets you create a list of tasks to be completed or “to-do list”. When a task has been completed, you can check it off as done.

Enter New Tasks

1. From the idle screen, touch Menu → **Games & Apps** → **Tools** → **Tasks** → **Create Task.**

2. Touch the **Title** field and use the onscreen keypad/keyboard to enter a name for this specific event (up to 15 characters). Touch **OK** to save the new name.
3. Touch the **Priority** field and assign the task a priority (High, Medium, or Low).
4. Touch the **Start Date** field. Use the keypad/keyboard to enter a date, or the jog wheels to scroll to the desired Month, Date and Year using the + and - buttons (switch between the two methods by touching **Keypad** or **Jog** at the lower right corner of the screen). In Keypad mode, touch Month, Date and Year as required and enter a setting using the keypad. In Jog mode, set the timer by touching the + and - buttons or by sliding your fingertip over the numbers.Touch **Set** to complete the process.
5. Touch the **Due Date** field. Use the keypad/keyboard to enter a date, or the jog wheels to scroll to the desired Month, Date and Year using the + and - buttons (switch between the two methods by touching **Keypad** or **Jog** at the lower right corner of the screen). In Keypad mode, touch Month, Date or Year as required and enter a setting using the keypad. In Jog mode, set the timer by touching the + and - buttons or by sliding your fingertip over the numbers. Touch **Set** to complete the process.
6. Touch the **Status** field and assign a current project status (Completed or Ongoing).
7. Touch **Set Details** to configure additional parameters for the new task:
   - **Details**: Enter a detailed description for this task (up to 100 characters).
   - **Alarm:** allows you to set a time prior to the event when event alerts begin (Off, On Start Date, On Due Date, 1 Day Before Starting, 2 Days Before Starting, or 1 Week Before Starting).
   - **Alarm Time:** Enter a time for this alarm to sound. Touch **Set** to assign the new time.
   - **Alarm Tone:** Lets you choose an alarm tone. Touch a file, then touch **Add** to assign the audio file as the current alarm tone.

Touch **Save** to save the details.

8. Touch **Save** to store the new task.

Note: Your phone holds up to 100 tasks.

Sketchpad

Sketchpad lets you draw simple diagrams directly on the screen using your finger.

The following functions are provided:

Save: Lets you save your sketch.

Draw: allows you to draw a sketch. Touch this icon to toggle between Draw, Erase, and Fill.

Erase: Allows you to erase anything you have drawn.

Fill: Lets you fill in enclosed areas of your sketch.

Line Width: Sets the line width used for drawing. Touch this icon to toggle between three line widths.

Colour: allows you to choose between seven possible colours. Touch the arrow keys to move the colour bar.

Undo: Removes the last continuous stroke that you drew on your sketch. You can undo up to 30 strokes.

To save a sketch, touch , enter a file name and touch **Save**.

Memo

This option allows you to create and save short text files that can be viewed later.

Create a Memo

1. From the idle screen, touch Menu → **Games & Apps** → **Tools** → **Memo** → **Create Memo.**
2. Use the onscreen keypad or the keyboard to enter memo text.
3. Touch **OK** to save the memo.

Note: Your phone holds up to 100 memos.

View or Edit a Memo

1. From the idle screen, touch Menu → **Games & Apps** → **Tools** → **Memo.**
2. Touch the memo you wish to view.
3. To edit the memo, touch **Edit** and use the onscreen keypad or the keyboard to alter the memo as required. Touch **OK** to return to the Memo list.

Delete a Memo

1. From the idle screen, touch Menu → **Games & Apps** → **Tools** → **Memo** → **Delete.**
2. Touch the check box next to each memo to be deleted or touch **All** to place a check mark beside every event.
3. Touch **Delete**.

Memo Space

Your phone holds up to 100 memos. To see the number of memos saved on your phone:

From the idle screen, touch Menu → **Games & Apps** → **Tools** → **Memo** → **Used Space.**

Calculator

With this feature, you can use the phone as a calculator with basic arithmetic operators (addition, subtraction, multiplication, division) and other mathematical functions. To use the calculator:

1. From the idle screen, touch Menu → **Games & Apps** → **Tools** → **Calculator.**
2. Enter the equation you want to solve.
   - Enter numbers by touching the numeric keys.
   - Enter arithmetic operators (+, -, × or ÷), decimal point (.) and brackets by touching the onscreen keys.
   - To clear the last entry, touch ←. To clear all entries, touch **C**.
3. To view the result, touch **=.**

Tip Calculator

The tip calculator helps you calculate the tip on a meal or service and split the bill between the number of people paying. To use the calculator:

1. From the idle screen, touch Menu → **Games & Apps** → **Tools** → **Tip Calculator.**
2. Touch the **Bill** field and use the keypad to enter the total amount of the bill.
3. If you want a percentage other than the default 15%, touch **Tip** and enter the new value.
4. If more than one person is paying, choose **Split** and enter the number.
5. The amount of the Tip, the Total bill, and the amount each person should pay appear in the lower half of the screen.

Converter

The built-in conversion application performs many unit conversions.

1. Menu → **Games & Apps** → **Tools** → **Converter.**
2. Touch the desired conversion type (**Currency**, **Length**, **Weight**, **Volume**, **Area** or **Temperature**).
3. Touch the amount field and use the onscreen keypad to enter the amount.
4. Touch the **Unit** field and enter the type of unit to be converted (the value you are converting “from”).

   The resulting converted values (converted “to”) are automatically displayed in a list.
5. Touch **Reset** to erase the current values and begin again.

World Clock

World Clock allows you to view the time of day in other parts of the world. It displays the time in 100 cities in all 24 time zones around the world.

Create a City Time Listing

1. From the idle screen, touch Menu → **Games & Apps** → **Tools** → **World Clock.** The City Time list appears, showing the time in your own time zone and any previously saved entries.
2. Touch **Add.**
3. Using your fingertip, drag the onscreen map until the desired region is visible.
4. Touch a representative city in the desired area. The entire time zone is highlighted in orange and the current time within that time zone displays.
5. To add or remove Daylight Savings Time, touch the sun symbol next to the time. The sun symbol turns orange when Daylight Savings Time is selected, gray if Daylight Savings Time is off.
6. Touch **OK** to save this entry to the City Time list.

Delete a World Clock Entry

1. From the idle screen, touch Menu → **Games & Apps** → **Tools** → **World Clock.**
2. Touch **Delete**.
3. Touch the trash can icon ( ) next to the entry to be deleted.

Timer

The Timer counts down from a preset time to zero. An alarm plays when the time reaches zero.

1. From the idle screen, touch Menu → **Games & Apps** → **Tools** → **Timer.**
2. Use the keypad/keyboard to enter a time, or the jog wheels to scroll to the desired Hour, Minute and Second (switch between the two methods by touching **Keypad** or **Jog** at the lower right corner of the screen). In

Keypad mode, touch Hour, Minute or Second as required and enter a setting using the keypad. In Jog mode, set the timer by touching the + and - buttons or by sliding your fingertip over the numbers.

3. Touch **Start** to start the timer.

   Touch **Stop** to pause the timer and **Restart** to start counting again.

   Touch **Reset** to enter a new time setting.

Stop Watch

The Stop watch can be used to time an event and measure sub-intervals, such as lap times.

1. From the idle screen, touch Menu → **Games & Apps** → **Tools** → **Stop Watch.**
2. Touch **Start** to start timing an event.
3. Touch **Lap** to measure each required sub-interval (up to 50).
4. Touch **Stop** to stop timing.
5. Touch **Restart** to restart the timer or **Reset** to erase all recorded times and start over.

Ringbacks

This menu selection accesses Rogers online service for purchase of ringbacks (audio file you hear after dialing a number, while the phone you called is receiving a ringing signal). For details contact your service provider.

For more information on using the Internet browser, see “Internet” on page 75.

IM

Instant Messaging or IM is a way of sending short, simple messages that are delivered immediately to other users.

Touch **Menu** → **IM** (or **Menu** → **Messages** → **IM**) and select **Messenger** or **Yahoo!.** Follow the onscreen prompts to sent up and use IM.

Note: To use this feature, you must be subscribed to a message service. For further details, contact your service provider.

MobileMail

MobileMail lets you send email to any email address. Recipients can access your emails from email-equipped phones or from their computers.

Your phone allows selection of three online email services: Rogers Yahoo! Mail, Yahoo! Mail, Windows Live Hotmail or Gmail. Touch the name of a service to select it and follow the online instructions shown on your display.

Settings

This menu lets you customize numerous phone settings to suit your preferences.

Sound Profile

Sound profiles are groups of customized sound settings to make your phone behave differently in various situations. For example, you may want your incoming call ringtone to play loudly when you are outdoors.

Your phone includes the following profiles:

- **Normal:** For use in situations that do not require special sound settings.
- **Silent:** For situations where you do not want your phone to use audible sounds, such as in a theater.
- **Driving:** For use while driving.
- **Outdoor:** For use outdoors or in loud environments where it may be difficult to hear alert tones.

Select a Profile

1. From the Idle screen, touch Menu → **Settings** → **Sound Profile.**
2. Choose a profile and touch the corresponding radio button at the right side. A message appears confirming that the profile has been saved.

View and Change Profile Settings

To view or change the settings for a profile, open the Sound Profile screen (see above) and touch the name of the profile you want to change.

Each profile is divided into three setting categories you can select using the drop-down menu at the top right corner.

- **Call:** Lets you specify the way the phone alerts you to incoming calls. For example, you can choose to be alerted by a melody or by a melody

and vibration. You can also specify ringtones and vibration pattern, and set audio volume.

- **Message:** Lets you specify the manner in which the phone alerts you to incoming messages, the message alert tone and the frequency of alert reminders.
- **Phone:** Lets you specify the sounds made by the phone when you press a key and turn the phone on or off.

To see all options for a specific setting, touch the corresponding selection area. To select a setting, touch the corresponding radio button then touch **Save**. To change a volume setting, drag the slider to a new position using your fingertip.

To save changes made to the profile settings, touch **Save**.

Note: Settings related to sounds (ringtone, volume, etc.) are not applicable when altering the Silent profile so do not appear in the listings.

Call Settings

- **Call Alert Type:** Specifies how you want to be alerted to incoming calls (Melody, Vibration then Melody, Vibration & Melody).
- **Voice Call Ringtone:** Lets you select a ringtone for incoming voice calls from the Ringtone folder.
- **Ringtone Volume:** Lets you specify the volume for the selected ringtone (level 1 to 7).
- **Vibration Pattern:** Specifies a vibration pattern (Vibration 1-5).

Message Settings

- **Message Alert Type:** Lets you specify how you want to be alerted to incoming messages (Melody, Vibration, Vibration & Melody, or Mute).
- **Message Alert Tone:** Lets you specify an alert tone for incoming messages (Message Tone 1-4).

- **Message Alert Repetition:** Lets you specify whether the message alert tone notifies you of a new message only once, or periodically until you open the message.
- **Alert Tone Volume**: Lets you specify the volume for the selected alert tone (level 1 to 7).
- **Vibration Pattern:** Specifies a vibration pattern (Vibration 1-3).

Phone Settings

- **Keypad Tone:** Lets you specify the tone played when you press a button on the keypad (Beep, Glossy or Mute).
- **Power On Type:** Lets you specify the phone response when you turn it on (Melody, Vibration, Vibration & Melody, or Mute).
- **Power Off Type:** Lets you specify the phone response when you turn it off (Melody, Vibration, Vibration & Melody, or Mute).
- **Phone Sound Volume:** Lets you specify the volume for the phone sounds (Level 0 to 7).

Display and Light

In this menu you can change settings for the display and backlight.

Wallpaper

The Wallpaper menu lets you change the background image displayed on the Idle screen.

To change the wallpaper:

1. From the Idle screen, touch Menu → **Settings** → **Display and Light** → **Wallpaper.**
2. Drag the onscreen image to the left or right to view other images located in your Pictures folder as wallpaper.

Touch **Pictures** to view image thumbnails with file names, then touch a thumbnail to view the image as wallpaper. While viewing images this way, you can drag the slider at the right of the screen to zoom in and out and touch **Rotate** to rotate the image 90 clockwise.

Note: The menu bar and zoom slider disappear after a few seconds of screen inactivity. Touch anywhere on the screen to make them reappear.

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3. Touch **Set** to assign the current image as your wallpaper image.

Clock

This menu lets you select a clock to be displayed on the idle screen.

1. From the Idle screen, touch Menu → **Settings** → **Display and Light** → **Clock.**
2. Touch **Digital Clock**, **Analog Clock**, or **Off**.
3. Touch **Save** to save the changes.

Font Type

You can select the font used for all text displayed on the phone.

1. From the Idle screen, touch Menu → **Settings** → **Display and Light** → **Font Type.**
2. Touch the example of the font you want to use on your phone (**Type1**, **Type2** or **Type3**).
3. Touch **Save**.

Greeting Message

In this menu you can enter text for a greeting message that displays on the screen for a few seconds when the phone is turned on.

1. From the Idle screen, touch Menu → **Settings** → **Display and Light** → **Greeting Message.**

2. If there is an existing message, touch and hold

to erase the message.
3. Use the onscreen keypad/keyboard to enter a new greeting.
4. Touch **OK**.

Transition Effect

Lets you activate or deactivate a “wipe” transition effect when moving between menu and option pages.

1. From the Idle screen, touch

→ **Settings** → **Display and Light** → **Transition Effect.**
2. Touch **On** to activate the effect, **Off** to deactivate.
3. Touch **Save**.

Brightness

Lets you to adjust the display brightness to compensate for different lighting conditions.

1. From the Idle screen, touch

→ **Settings** → **Display and Light** → **Brightness.**
2. Using your fingertip, drag the Level slider to the brightness level you desire (range 1-5).
3. Touch **Save**.

Note: High brightness will reduce operating time before battery recharging is necessary.

Backlight Time

The setting lets you select the length of time the screen remains lit when the phone is idle.

1. From the Idle screen, touch Menu → **Settings** → **Display and Light** → **Backlight Time.**
2. Touch one of the backlight times to set the amount of time the phone's touchscreen remains lit without activity. Options include: 8 Seconds, 15 Seconds, 30 Seconds, 1 Minute, 3 Minutes and 10 Minutes.
3. Touch **Save**.

The phone can also be set to lock when the Backlight Time runs out (see "Auto Screen Lock" on page 150).

Note: Long light time will reduce operating time before battery recharging is necessary.

Time and Date

Use this menu to configure the settings for the time and date display.

1. From the Idle screen, touch Menu → **Settings** → **Time and Date.**
2. Change settings as required (see below).
3. To save changes, touch <**Save**>.

The following settings are available:

- **Time Zone Updating:** Lets you specify how the time zone information is updated (Automatic, Prompt First or Manual Only).

  If Manual Only or Prompt First is selected, the following options are enabled:

  - **Time Zone**: Lets you specify your location relative to Greenwich Mean Time. Using your fingertip, drag the map left or right until your location is visible. Touch your location on the map then touch **OK**. To enable or disable Daylight Saving Time, touch the sun symbol next to the time. The sun symbol turns orange when Daylight Savings Time is selected, gray if Daylight Savings Time is off.

- **Time Format:** Lets you specify the time format you prefer. Touch **12 hr** (12 hour clock) or **24 hr** (24 hour clock).
  - **Time**: Lets you change the time setting using the keypad/keyboard or jog wheels (switch between the two methods by touching **Keypad** or **Jog** at the lower right corner of the screen). In Keypad mode, touch **Hour** or **Minute** as required and enter a setting using the keypad. In Jog mode, set the timer by touching the **+** and **-** buttons or by sliding your fingertip over the numbers. If Time Format is set to 12 hr, touch **AM** or **PM** as required. Touch **Set** to save the new settings.
- **Date Format:** Lets you specify the date format you prefer. Touch the drop-down box and then a selection (MM/DD/YYYY, DD/MM/YYYY, YYYY/MM/DD, YYYY/DD/MM).
- **Date**: Lets you change the date setting using the keypad/keyboard or jog wheels to (switch between the two methods by touching **Keypad** or **Jog** at the lower right corner of the screen). In Keypad mode, touch **Month**, **Day** or **Year** as required and enter a setting using the keypad. In Jog mode, set the timer by touching the **+** and **-** buttons or by sliding your fingertip over the numbers. Touch **Set** to save the new settings.

Note: If Time Zone Updating is set to Automatic, the Time Zone, Time and Date are automatically set using network information and these options are greyed out on your phone.

Phone

Use this menu to configure phone settings related to the user interface language, key lock, security, and Airplane Mode. You can also check the phone number of the phone.

Language

This menu allows you to select a display language for Screen Text and Input Language.

To change Screen Text:

1. From the Idle screen, touch

→ **Settings** → **Phone**→ **Language.**
2. Touch **Screen Text**, then touch a selection. The choices are Automatic (language read from your SIM card), English or Français (French).
3. Touch **Save**.

To change Input Language:

1. From the Idle screen, touch

→ **Settings** → **Phone**→ **Language.**
2. Touch **Input Language**, then touch a selection. The choices are English or Français (French).
3. Touch **Save**.

Vibration Feedback

You can set the level of vibration intensity that occurs when you touch the screen and receive calls and messages.

1. From the Idle screen, touch

→ **Settings** → **Phone**→ **Vibration Feedback.**
2. Drag the **Vibration Intensity** slider to the intensity level you desire (range 0-4).
3. Touch **Save**.

Calibration

The Calibration function allows you to re-align the screen's touch accuracy if the device does not respond properly to your touch.

1. From the Idle screen, touch

→ **Settings** → **Phone**→ **Calibration.**
2. Carefully touch the center of each target displayed.

Note: Accurate calibration requires that you carefully touch the centre of each target. This is more easily done if you place the phone on a flat surface rather than holding it in your hand.

QWERTY Slide Setting

This setting allows you to choose what is displayed on the main screen when you slide open your phone.

1. From the Idle screen, touch Menu → **Settings** → **Phone**→ **QWERTY Slide Setting**.
2. Touch **Off**, **Create New Message**, **IM, MobileMail, Memo** or **Task**. If you choose **Off**, the Idle screen displays when you slide open your phone.
3. Touch **Save**.

Auto Screen Lock

The Auto Screen Lock feature locks your phone whenever the backlight turns off.

1. From the Idle screen, touch Menu → **Settings** → **Phone.**
2. At the **Auto Keypad Lock** field, touch **On** or **Off**.

If the keypad is locked, press and hold * to unlock the keypad.

For information on setting the Backlight Time settings, see “Backlight Time” on page 146.

Own Number

Shows you the phone number assigned to the SIM in your phone.

From the Idle screen, touch Menu → **Settings** → **Phone** → **Own Number.**

Security

The Security feature lets you restrict the use of your phone by others and restrict the types of calls. Various codes and passwords are used to protect the features of your phone.

From the Idle screen, touch

→ **Settings** → **Phone**→ **Security.**

The following options are available.

- **Lock Phone:** When the phone lock is On, the phone password must be entered each time the phone is switched on. The phone remains operational until switched off. To change the phone password, see "Change Password" below.
- **Lock SIM Card:** When the Lock SIM Card feature is enabled, your phone only works with the current SIM. To lock the SIM card touch **On**, enter a 4 to 8 digit password and touch **OK**, then enter it again and touch **OK** a second time. To deactivate the SIM and allow use of a different SIM card, touch **Off**, enter the SIM password and touch **OK**.
- **Check PIN Code:** When the Check PIN Code feature is enabled, the phone's PIN must be entered each time the phone is switched on. Before Check PIN Code can be disabled, you must enter the PIN.
- **Lock Applications:** Using this option you can lock various phone applications, which requires entry of the phone's password to access the application. Touch the check box next to each application to add a check mark (application locked) or remove the check mark (application unlocked). Touch **Save** to save the settings.
- **Fixed Dialing Mode:** FDN (Fixed Dial Number) mode, if supported by your SIM card, allows you to restrict outgoing calls to phone numbers stored in the FDN List. To set this mode you must enter your PIN2 code.

Note: Not all SIM cards have a PIN2 code. If your SIM card does not, this menu does not display.

- **Change password:** Allows you to change your current phone password. Enter the current password and touch **OK**, enter the new password and touch **OK**, enter the new password again and touch **OK** a second time.
- **Change PIN Code:** Allows you to change your current PIN, provided that the PIN Check feature is enabled. Enter the current PIN and touch **OK**, enter the new PIN and touch **OK**, enter the new PIN again and touch **OK** a second time.
- **Change PIN2 Code:** Allows you to change your current PIN2 to a new one. Enter the current PIN2 and touch **OK**, enter the new PIN2 and touch **OK**, enter the new PIN2 again and touch **OK** a second time.

Reset Phone

Reset returns your phone to its default settings but does not delete user data such as contacts, messages, pictures, videos, and music.

To reset your phone:

1. From the Idle screen, touch Menu → **Settings** → **Phone** → **Reset Phone.**
2. At the Continue? prompt, touch **Yes** to reset, or **No** to cancel.
3. Enter your phone password and touch **OK**.

When the reset procedure finishes, the phone displays “Reset Phone Done” and then restarts.

Restore Phone

The Restore Phone option resets your phone to default settings, similarly to the Reset Phone option described above, but also deletes all user data.

Note: All user data such as contacts, messages, pictures, videos, and music will be deleted.

To restore your phone:

1. From the Idle screen, touch Menu → **Settings** → **Phone** → **Restore Phone.**
2. At the Continue? prompt, touch **Yes** to restore, or **No** to cancel.
3. Enter your phone password and touch **OK**.

When the restore procedure finishes, the phone displays “Restore Phone Done” and then restarts.

Airplane Mode

For locations where you are not permitted to send or receive calls and access online information, this operating mode turns off those capabilities but lets you use all other phone functions (games, calculator, etc.). When it is on, the Airplane Mode icon ( ) appears in place of the signal strength icon on the Idle screen.

1. From the Idle screen, touch Menu → **Settings** → **Phone.**
2. At the **Airplane Mode** field, touch **On** or **Off**.

T-Coil Mode

Adjusts audio output to allow use of the phone with T-Coil (telecoil) hearing aids.

1. From the Idle screen, touch Menu → **Settings** → **Phone.**
2. At the **T-Coil Mode** field, touch **On** or **Off**.

Calls

Call settings let you configure the actions taken by the phone when you make and receive calls.

1. From the Idle screen, touch Menu → **Settings** → **Calls.**

General Call Settings

This menu lets you configure high-level features that specify how calls are handled. Touch **General** and select from the following options:

- **Show My Number:** Lets you specify how your ID is handled when you initiate an outgoing call.
  - **Set by Network:** You are identified to the recipient using the default network information.
  - **Hide Number:** Your identification is hidden from the recipient.
  - **Show Number:** Your phone number and name are sent to the recipient.
- **Auto Reject:** If Auto Reject is **On**, your phone rejects all calls from numbers on the reject list. You can manually enter a number and add it to the list or search for a number in Call History or Contacts.
- **Quick Reply:** Lets you create an automatic text message that is sent to the calling party when a call is rejected.
- **Call Answer:** Selects the available methods for answering a call on your phone. Selections are: Send Key, Open Slide, Any Key, Automatic (call is answered automatically after a time delay of 1 to 5 seconds).
- **Call Status Tones:** Lets you activate alert tones that sound during a call.
  - **Call Connect Tone:** Sounds a tone when a call connection is successful.
  - **Minute Minder:** Sounds a tone after each minute of a call.
- **Alerts On Call:** Lets you specify whether you want alert tones to sound while you are on a call.

Voice Call

This menu lets you configure the default settings for voice call features.

Call Forwarding

Call forwarding lets you reroute incoming calls to another number or to your voicemail. Availability of the various options depends on your service provider. Contact your provider for more details on enabling this feature.

Possible call forwarding actions are:

- **Forward Always:** Forwards all voice calls and data calls.
- **Busy:** Forwards calls only when your number is in use and the caller would otherwise receive a busy signal.
- **No Reply:** Automatically forwards all calls after a preset time (5, 10, 15, 20, 25 or 30 Seconds).
- **Unreachable:** Forwards calls when you are not in an area covered by your service provider or when your phone is switched off.
- **Cancel All:** Deactivates call forwarding.

The phone sends your settings to the network and the network's acknowledgement is displayed.

Call Barring

Call Barring allows you to restrict various types of calls from being made or received with your phone, such as all outgoing calls or international calls. This option is SIM dependent and requires a subscription. For more information, contact your service provider.

Call Waiting

Call Waiting informs you when someone is trying to reach you during another call. Selections include **Activate**, **Deactivate** or **Check Status**.

Auto Redial

Auto Redial lets you configure your phone to automatically redial the last dialed number if the connection is lost or the call was unable to connect.

Note: For carriers that automatically forward unanswered calls to voice mail, the Auto redial feature will not provide useful service.

Connectivity

The Connectivity menu let you manage the settings associated with Bluetooth and Network connections.

Bluetooth

Bluetooth is a short-range wireless communications technology capable of exchanging information over a distance of about 30 feet.

Activation

To turn Bluetooth on or off:

1. From the Idle screen, touch Menu → **Settings** → **Connectivity** → **Bluetooth.**
2. Touch the onscreen phone icon to turn Bluetooth on (icon turns blue) or off (icon turns gold).

Note: Turn off Bluetooth when it is not required to save battery life and in situations where Bluetooth use is prohibited, such as on airplanes.

Device Name

To change your Bluetooth device name:

1. From the Idle screen, touch Menu → **Settings** → **Connectivity** → **Bluetooth** → **My Info.**
2. Touch the **Name** field, touch and hold del to erase the current name.
3. Use the onscreen keypad or the keyboard to enter the new name for this device and touch **OK**.
4. Touch **Save**.

Phone Visibility

1. From the Idle screen, touch Menu → **Settings** → **Connectivity** → **Bluetooth** → **Visibility.**
2. Depending the current setting (Discoverable or Indiscoverable), you are given the option to change to the opposite setting. Touch **Yes** to confirm, **No** to retain the current setting.

Note: When Bluetooth Visibility is turned on, your phone is wirelessly transmitting its name and status to every device within range. This transmission can pose a security risk and risk unauthorized connection to your phone. It is recommended that you remain hidden unless necessary. If your phone is not visible, you can still detect and connect to other devices.

Connecting to Other Bluetooth Devices

1. From the Idle screen, touch Menu → **Settings** → **Connectivity** → **Bluetooth** → **Search.** Detected Bluetooth devices appear as buttons on the Bluetooth page.
2. Touch the button for the desired device to begin pairing.

3. Touch the **Passkey** field, enter the passkey used by the target device and touch **OK**.
4. Touch the **Connection Options** field and select **Automatic** (to have the two devices always pair when within range) or **Always ask**.
5. Touch **OK**.

   When the pairing is accepted by the target device, a dotted line appears between the devices.

Bluetooth Services

The Bluetooth specification is a protocol that describes how the short-range wireless technology works, whereas individual profiles describe the services supported by individual devices. Profiles reduce the chance that different devices will not work together.

The following service profiles are supported by your phone:

- **Headset:** Enables both incoming and outgoing calls using Bluetooth headsets.
- **Handsfree:** A Bluetooth car kit or speakerphone enables both incoming and outgoing calls.
- **Bluetooth Stereo Headset:** Used to make calls and listen to music through the Bluetooth stereo headset.
- **Serial Port:** Used to connect Bluetooth devices through a virtual serial port.
- **Dial up:** Used to provide Internet access for Bluetooth devices through the phone's modem.
- **File transfer**: Used to transfer files to and from Bluetooth devices.
- **Object Push:** Used to exchange personal data (namecards, contacts, etc.) with Bluetooth devices.

Network Selection

Network selection lets you configure the phone to automatically select the network used when roaming outside of your home area or allow manual selection.

Note: You can select a network other than your home network only if there is a valid roaming agreement between them.

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1. From the Idle screen, touch Menu → **Settings** → **Connectivity** → **Network Selection.**
2. Touch **Automatic** to connect to the first available network when roaming or **Manual** to have the phone scan for available networks.
3. Touch **Save**.
4. If you selected **Manual**, the phone displays a list of available networks. Touch the name of the network you want to use. Your phone connects to the selected network.

Select USB Mode

Your phone can be configured to launch a default application when an active USB connection is detected.

1. From the Idle screen, touch Menu → **Settings** → **Connectivity** → **Select USB Mode.**
2. Touch one of the following options:
   - **Samsung PC Studio:** The phone is automatically recognized by Samsung PC Studio, a Windows-based PC program that can be used to manage personal data and multimedia files.
   - **Media Player:** Allows you to transfer multimedia files between your phone and a PC using Microsoft MTP (Media Transfer Protocol), which supports Autosync of content from Windows Media Player and DRM (digital rights management).

- **Mass Storage:** The PC recognizes a microSD card in your phone as a storage drive, allowing you to transfer files to and from the card. The card name appears in the list of disk drives in My Computer on the PC.
- **Ask on Connection:** The phone opens a selection window that requires you to choose the connection type (Media Player, Samsung PC Studio or Mass Storage, see above).

3. Touch **Save**.

Network Profiles

Network Profiles lets you view profiles containing the settings for connecting your phone to the network and streaming for the Internet browser and sending picture messages. The possible profiles are: GoRogers, Rogers Media, Rogers Internet and Rogers Streaming.

Note: Do not change any settings in these profiles unless instructed to do so by your service provider or the Internet and multimedia features may not work properly.

Applications Settings

The Applications Settings menu provides a convenient way to access most settings menus for phone functions from one list. These menus can be accessed from their respective applications as well and most are described in more detail in other sections of this manual.

1. From the Idle screen, touch Menu → **Settings** → **Applications Settings.**
2. Select the application.

   For more information, see the following sections:

   - **Messages:** See page 93.
   - **Browser:** See page 81.
   - **Media Player:** See page 118.

- **Record Audio:** See page 125.
- **Calendar:** See page 131.
- **Contacts:** See page 70.

Memory Management

Clear Phone Memory

Lets you clear various segments of phone memory or all memory.

1. From the Idle screen, touch Menu → **Settings** → **Memory Management** → **Clear Phone Memory.**
2. As required, touch the check box next to each memory segment to be cleared to add a check mark, or touch **All** to clear all memory.
3. Touch **Clear**.
4. Enter the phone password and touch **OK**.
5. Touch **Yes** to confirm the operation, **No** to cancel.

Memory Card Details

Allows you to view information related to the current microSD card being used for storage.

- **Name:** The name assigned to the SD card
- **Maximum:** Storage capacity of the card
- **Available:** Free space on the card

The following options are available:

- **Bluetooth Visibility:** Lets you turn Bluetooth visibility On and Off
- **Format:** Erases all data on the card and creates new content folders: Audio, Picture, and Video. Touch **Yes** to confirm, **No** to cancel.
- **Rename:** Lets you edit the name assigned to the microSD card.

Memory Status

Let you view used and available memory in the following categories: Shared Memory, Messages, Media, Calendar, Tasks, Memo, Contacts.

1. From the Idle screen, touch Menu → **Settings** → **Memory Management** → **Memory Status.**
2. Touch the memory location for which you want to view status.

Phone Status

Phone Status provides the following information for your phone:

- **My Number:** Phone number of the SIM card used in the phone.
- **Manufacturer:** Samsung
- **Model:** SGH-A796
- **Device ID (IMEI)**
- **Software Version:** the version number of the phone operating software
- **Language:** Phone operating language (as set in the Language settings, see Language in “Phone” on page 148).
- **Client Version**

Solving Problems

If you are experiencing problems with your phone, perform the following simple checks before contacting a service professional. This may save you the time and expense of an unnecessary service call.

When you switch your phone on, one of the following messages appears

Insert SIM Card

- Check that the SIM card is correctly installed.

Phone Locked Enter Password

- The automatic locking function has been enabled. You must enter the phone's password before you can use the phone.

Enter PIN

- You are using your phone for the first time. You must enter the Personal Identification Number (PIN) supplied with the SIM card.
- The PIN Check feature is enabled. Every time the phone is switched on, the PIN has to be entered. To disable this feature, use the **Check PIN Code** menu (see Security in "Phone" on page 148).

Enter PUK

- The PIN code was entered incorrectly three times in succession and the phone is now blocked. Enter the PUK supplied by your service provider. Phones use both PIN1 and PIN2 codes, which require PUK1 and PUK2 codes to unblock. Make sure you know which PIN code is locked and apply the correct PUK code.

“No service,” “Network failure” or “Not done” displays

- The network connection was lost. You may be in a weak signal area (in a tunnel or surrounded by buildings). Change location and try again.
- You are trying to access an option for which you have not taken out a subscription with your service provider. Contact the service provider for further details.

You have entered a number but it was not dialed

- Have you pressed the key?
- Are you accessing the right cellular network?
- Is Call Barring turned on? (see “Call Barring” on page 155 for more details).

Your correspondent cannot reach you

- Is your phone switched on (the key pressed for more than one second)?
- Are you accessing the right cellular network?
- Is Call Barring turned on? (see “Call Barring” on page 155 for more details).
- Has your phone been call forwarded to another number?

Your correspondent cannot hear you speaking

- Have you switched off the microphone?
- Are you holding the phone close enough to your mouth? The microphone is located at the bottom of the phone.

The phone starts beeping and “Low Battery” flashes on the display

- Your battery is insufficiently charged. Recharge the battery.

The audio quality of the call is poor

- Check the signal strength indicator on the display ( ); the number of bars indicates the signal strength from strong ( ) to weak ( ).
- Try moving the phone slightly or move closer to a window if you are in a building.

No number is dialed when you recall a Contacts entry

- Check that the number has been stored correctly, by using the Contact List Search feature.
- Store the number again, if necessary.

If the above guidelines do not help you to solve the problem, take note of:

- the model and serial numbers of your phone
- your warranty details
- a clear description of the problem

Then contact your local dealer or Samsung after-sales service.

Health and Safety Information

Warning Regarding Display

The display on your handset is made of glass or acrylic and could break if your handset is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

Exposure to Radio Frequency (RF) Signals

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies.

The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless phones employs a unit of measurement known as Specific Absorption Rate (SAR). The SAR limit recommended by the FCC is 1.6W/kg.*

SAR tests are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all

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*. In the U.S. and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified by the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID printed in the label on the phone.

For Body Operation

For body worn operation, this model phone has been tested and meets the FCC RF exposure guidelines when used with a Samsung-supplied or approved accessory designated for this product or when used with an accessory that contains no metal and that positions the phone a minimum from the body.

The minimum distance from the body for this model phone is written in the FCC certification information. Non-compliance with the above conditions may violate FCC RF exposure guidelines.

For more Information concerning exposure to radio frequency signals, see the following Internet sites:

- Federal Communications Commission (FCC)
  - •http://www.fcc.gov
- Cellular Telecommunications Industry Association (CTIA):
  - •http://www.ctia.org
- U.S.Food and Drug Administration (FDA)
  - •http://www.fda.gov/cdrh/consumer
- World Health Organization (WHO)
  - •http://www.who.int/peh-emf/en

Precautions When Using Batteries

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge, the type of battery and the charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source.
- Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.

- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0°C (32°F).
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Shortcircuiting the terminals may damage the battery or the object causing the short-circuiting.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Note: The battery charging circuit may stop functioning if you are viewing a streaming video and receive a call while charging as the capacity of the charging circuit will be exceeded.

Operating Environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on.
- should not carry the phone in a breast pocket.
- should use the ear opposite the pacemaker to minimize potential interference.

If you have any reason to suspect that interference is taking place, switch your phone off immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.

Audio Shock

At very high volumes, prolonged listening to a headset can damage your hearing.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include the areas below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
3. Press the key.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember air bag inflates with great force. Do not place installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed, and the air bag inflates, serious injury could result.
- Switch your phone off before boarding an aircraft. The use of wireless phones in aircraft is illegal unless permitted and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, legal action, or both.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions help you fulfill any warranty obligations and allow enjoy this product for many years:

- Keep the phone and all its parts and accessories out of reach of small children.
- Keep the phone dry. Precipitation and humidity contain minerals that may corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty or dirty areas. Moving parts may become damaged or clogged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.

- Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

FCC Notice

Cautions

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received.

Including interference that may cause undesired operation.

Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this

equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Appendix A: Certification Information (SAR)

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on safety standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6 W/kg*. SAR Tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is

because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified by the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations(e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR values of this model phone as reported to FCC are:

GSM 850	**GSM 1900**
Head: 0.348 W/kg	Head: 0.504 W/kg
Body: 0.578 W/kg	Body: 0.695 W/kg
WCDMA 850	**WCDMA 1900**
Head: 0.353 W/kg	Head: 0.786 W/kg
Body: 0.305 W/kg	Body: 0.613 W/kg

Body-worn operations are restricted to Samsung-supplied, approved or non-Samsung designated accessories that have no metal and must provide at least 1.5cm separation between the device, including its antenna whether extended or retracted, and the user's body. Non-compliance to the above restrictions may violate FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with

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*. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid.

Appendix B: Safe and Responsible Wireless Phone Use

Cellular Telecommunications & Internet Association

“Safety is the most important call you will ever make.”

A Guide to Safe and Responsible Wireless Phone Use

Tens of millions of people in North America today take advantage of the unique combination of convenience, safety and value delivered by the wireless telephone. Quite simply, the wireless phone gives people the powerful ability to communicate by voice-almost anywhere, anytime with the boss, with a client, with the kids, with emergency personnel or even with the police. Each year, North Americans make billions of calls from their wireless phones, and the numbers are rapidly growing.

But an important responsibility accompanies those benefits, one that every wireless phone user must uphold. When driving a car, driving is your first responsibility. A wireless phone can be an invaluable tool, but good judgment must be exercised at all times while driving a motor vehicle whether on the phone or not.

The basic lessons are ones we all learned as teenagers. Driving requires alertness, caution and courtesy. It requires a heavy dose of basic common sense-keep your head up, keep your eyes on the road, check your mirrors frequently and watch out for other drivers. It requires obeying all traffic signs and signals and staying within the speed limit. It means using seat belts and requiring other passengers to do the same.

But with wireless phone use, driving safely means a little more. This brochure is a call to wireless phone users everywhere to make safety their first priority when behind the wheel of a car. Wireless telecommunications is keeping us in touch, simplifying our lives, protecting us in emergencies and providing opportunities to help others in need. When it comes to the use of wireless phones, safety is your most important call.

Wireless Phone “Safety Tips”

Below are safety tips to follow while driving and using a wireless phone which should be easy to remember:

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.
2. When available, use a hands free device. A number of hands free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.
3. Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can grab it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
4. Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.
5. Do not take notes or look up phone numbers while driving. If you are reading an Contact list or business card, or writing a to do list while driving a car, you are not watching where you are going. It’s common sense. Don’t get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip-dial only a few numbers, check the road and your mirrors, then continue.

7. Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix-they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.

8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations-with your phone at your side, help is only three numbers away. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!

9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a Good Samaritan in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.

10. Call roadside assistance or a special wireless non emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you still can use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

Careless, distracted individuals and people driving irresponsibly represent a hazard to everyone on the road. Since 1984, the Cellular Telecommunications Industry Association and the wireless industry have conducted an educational outreach program to inform wireless phone users of their responsibilities as safe drivers and good citizens. As we approach a new century, more and more of us will take advantage of the benefits of wireless telephones. And, as we take to the roads, we all have a responsibility to drive safely.

The wireless industry reminds you to use your phone safely when driving.

Cellular Telecommunications & Internet Association For more information, please call 1-888-901-SAFE.

For updates: http://www.ctia.org

Appendix C: Consumer Update on Wireless Phones

U.S. Food and Drug Administration

1. What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called cell, mobile, or PCS phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user s head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

2. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

3. What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and

- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration
- The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

4. What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies

are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

5. What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products—and at this point we do not know that there is—it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

6. What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

7. Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are

used against the head or against the body. Either configuration should result in compliance with the safety limit.

8. Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hand-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

9. What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard

specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

10. What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don' t know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, gioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term

exposures, since the average period of phone use in these studies was around three years.

11. What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

12. Which other federal agencies have responsibilities related to potential RF health effects?

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations.

FCC RF Safety Program:
http://www.fcc.gov/oet/rfsafety/

Environmental Protection Agency (EPA):
http://www.epa.gov/radiation/

Occupational Safety and Health Administration's (OSHA):
http://www.osha-slc.gov/SLTC/radiofrequencyradiation/index.html

National Institute for Occupational Safety and Health (NIOSH):
http://www.cdc.gov/niosh/topics.emf

World health Organization (WHO):
http://www.who.int/peh-emf/en

International Commission on Non-Ionizing Radiation Protection:
http://www.icnirp.de

National Radiation Protection Board (UK):
http://www.hpa.org.uk/radiation

US Food and Drug Administration

http://www.fda.gov/cellphones

STANDARD LIMITED WARRANTY

What is Covered and For How Long? SAMSUNG ELECTRONICS CANADA INC. (SAMSUNG) warrants to the original purchaser ("Purchaser") that SAMSUNG's Phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case/Pouch	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

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